

HERRBRAND

Quality

Good

CATALOG
NO. 46-M

DISTRIBUTED BY

HERBRAND QUALITY TOOLS



THE TIME TESTED MARK
OF DISTINCTION



CATALOG No. 46-M

SALES OFFICES IN ALL
IMPORTANT TRADING
AREAS

THE HERBRAND COMPANY
FREMONT, OHIO, U. S. A.



TOPICAL INDEX OF HERBRAND TOOLS

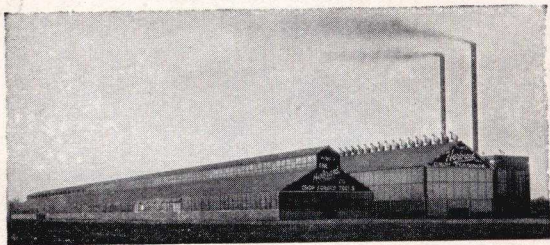
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A group of seven modern buildings on a thirty-five acre tract of land houses the latest type equipment for the production of Herbrand Tools of Quality and Distinction.

OVER FIFTY YEARS PROGRESS IN FINE TOOL MAKING

Pioneers in the craft of fine tool making, Herbrand has through extensive research, test and application, constantly developed a broader line of the essential tools for the purpose of raising the efficiency of the mechanic to the highest degree. Beginning with the universally popular "Van-Chrome" tools, design, selection of material, heat treatment and finish have always been the foundation upon which the supreme excellence of Herbrand quality is built.

Every mechanic appreciates the extra measure of performance reflected in the outstanding features of construction and design which make possible great savings in time, labor and effort. Strength—that vital quality—is attained through careful forging from Chrome Vanadium Steel made to Herbrand's own formula. Extreme care is exercised in heat treatment, employing carefully selected temperatures and proper timing to insure uniform hardness.

There is a jobber near you who stocks "Van-Chrome" tools. Ask him to show you this complete line which represents the broadest coverage of tool needs at prices commensurate with today's conditions.

"YOU CAN'T BUY BETTER TOOLS AT ANY PRICE"

"HERBRAND", "VAN-CHROME" and "MULTIGRIP"
are registered trade names

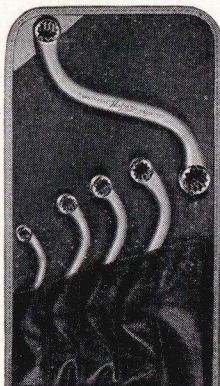
HERBRAND MULTIHEX BOX WRENCHES



"VAN-CHROME" OBSTRUCTO BOX WRENCHES

"S" Pattern

Drop-Forged from Chrome Vanadium Steel



SET No. 7720

Designed to facilitate the work of mechanics, particularly in those time consuming, "tricky" places.

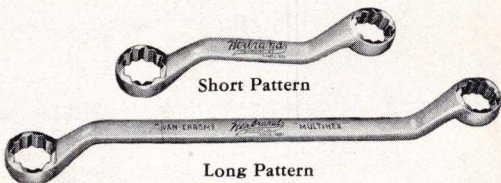
The unique construction virtually removes obstructions and gets those hidden nuts without removing interfering parts. The heads are set at an unusual angle to provide knuckle clearance. Satin nickel finish, polished heads.

Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	Length	List Price Each
7723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	6	\$1.10
7725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	7	1.20
7727	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	8	1.30
7729	$\frac{11}{16}$ & $\frac{25}{32}$	$\frac{3}{8}$ & $\frac{7}{16}$	.....	.....	9	1.45
7731A	$\frac{3}{4}$ & $\frac{7}{8}$	..... $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{16}$	$\frac{1}{2}$ & $\frac{9}{16}$	10	1.65

SET NO. 7720 contains one each of above wrenches.

LIST PRICE, in box \$6.70; in drawstring bag \$6.90; in leatherette case \$7.40.

HERBRAND MULTIHEX BOX WRENCHES



"VAN-CHROME" MULTIHEX BOX WRENCHES

Offset Patterns

Drop-Forged from Chrome Vanadium Steel

There is an essential difference between "Van-Chrome" Multihex and similarly designed wrenches because they are built to the specifications of mechanics. Refinements of speed, efficiency and moderate price make them highly acceptable.

They have different twelve-point graduated openings in each end and the abrupt offset of the heads reaches sunken nuts and gets around obstructions. The extra thin side walls and generous leverage have also contributed to their universal approval.

Drop-Forged from the finest Chrome Vanadium Steel and heat treated their entire length to insure dependable service.

Finished in velvety smooth satin nickel with heads brightly polished.

SHORT OFFSET PATTERN

Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	Length	List Price Each
4723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	$4\frac{1}{2}$	\$.80
4725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	$5\frac{1}{4}$	.90
4727A	$\frac{5}{8}$ & $\frac{11}{16}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	6	1.00

LONG OFFSET PATTERN

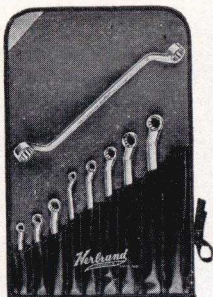
3723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	$8\frac{1}{2}$	\$.85
3725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	9	.95
3727	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	$9\frac{3}{4}$	1.10
3727A	$\frac{5}{8}$ & $\frac{11}{16}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	$9\frac{3}{4}$	1.10
3729A	$\frac{3}{4}$ & $\frac{25}{32}$	..... $\frac{7}{16}$	$\frac{1}{2}$	$\frac{1}{2}$	11	1.25
3731B	$\frac{13}{16}$ & $\frac{7}{8}$	..... $\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	..... $\frac{9}{16}$	$12\frac{1}{2}$	1.50
3733C	$\frac{15}{16}$ & 1	.....	..... $\frac{3}{4}$	$\frac{5}{8}$ & $\frac{11}{16}$	$14\frac{1}{2}$	1.80

The $\frac{9}{16}$ " opening in No. 3727 is ideal for Chevrolet connecting rods. The $\frac{3}{4}$ " in No. 3729A for main bearing work.

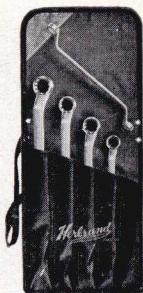
HERBRAND MULTIHEX BOX WRENCHES



SET No. 3701



SET No. 3702



SET No. 3700

"VAN-CHROME" BOX WRENCH SETS

Offset Patterns

Drop-Forged from Chrome Vanadium Steel

For the convenience of the mechanic and to provide readily saleable units, Multi-hex Wrenches are supplied in various practical assortments. These sets are obtainable in cardboard boxes, canvas drawstring bags or in the popular, distinctive leatherette rolls which are flannel lined and have a separate pocket for each wrench. See description below.

SET NO. 3701 comprises one each of the 3 Short Pattern Nos. 4723, 4725B and 4727A.

LIST PRICE, *in box* \$2.70; *in canvas bag* \$2.85; *in pocket leatherette case* \$3.10.

SET NO. 3702 contains 9 wrenches, one each of the 3 Short Offset Pattern Nos. 4723, 4725B, 4727A, and one each of the 6 Long Offset Type Nos. 3723, 3725B, 3727A, 3729A, 3731B and 3733C.

LIST PRICE, *in box* \$10.15; *in canvas bag* \$10.35; *in pocket leatherette case* \$11.25.

SET NO. 3700 carries one each of 5 Long Offset Box Wrenches Nos. 3723, 3725B, 3727A, 3729A and 3731B.

LIST PRICE, *in box* \$5.65; *in canvas bag* \$5.85; *in pocket leatherette case* \$6.35.

SET NO. 3704 (not illustrated) contains one each of the 6 Long Offset Pattern Nos. 3723, 3725B, 3727A, 3729A, 3731B and 3733C.

LIST PRICE, *in box* \$7.45; *in canvas bag* \$7.65; *in pocket leatherette case* \$8.35.

Herbrand



15° Short Pattern



10° Long Pattern

"VAN-CHROME" MULTIHEX BOX WRENCHES

10° and 15° Angle Patterns

Drop-Forged from Chrome Vanadium Steel

Easy knuckle clearance of an offset wrench, with the accessibility of a straight wrench—locating bolts and nuts readily—a complete range of sizes—12-point openings—extra thin side walls—break-proof—these are some of the features that make these wrenches extremely popular.

Herbrand makes this pattern with two different degrees of offset heads—the Short Pattern 15° and the Long with 10° angle heads and they are available in all the popular opening sizes necessary for general service work. Long enough for powerful leverage yet sufficiently short to clear major obstructions.

Smoothly ground all over and double plated in satin nickel with the heads brightly polished.

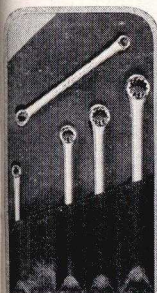
SHORT 15° PATTERN

Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	Length	List Price Each
6723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	4	\$.80
6725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	4½	.85
6727A	$\frac{5}{8}$ & $\frac{11}{16}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	5	.90

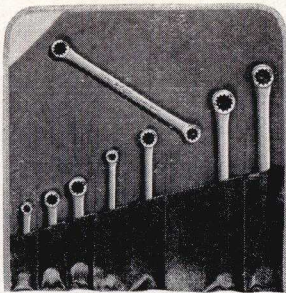
LONG 10° PATTERN

5723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	6¾	\$.85
5725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	7⅞	.95
5727	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	8⅞	1.05
5729	$\frac{11}{16}$ & $\frac{25}{32}$	$\frac{3}{8}$ & $\frac{7}{16}$	.....	.....	10	1.20
5731A	$\frac{3}{4}$ & $\frac{7}{8}$	..... $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{9}{16}$	11½	1.35

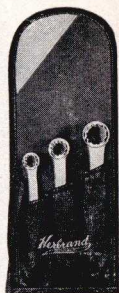
HERBRAND MULTIHEX BOX WRENCHES



SET No. 5720



SET No. 5721



SET No. 3703

"VAN-CHROME" BOX WRENCH SETS

10° and 15° Patterns

Drop-Forged from Chrome Vanadian Steel

"Van-Chrome" Multihex Box Wrenches in the Short 15° and the Long 10° patterns are also available in set combinations of the most necessary sizes. They are packed in boxes, drawstring canvas bags or beautiful leatherette cases which are flannel lined and provide an individual compartment for each wrench. Full description and prices are listed below.

SET NO. 5720 consists of 5 Long 10° angle box wrenches Nos. 5723, 5725B, 5727, 5729 and 5731A.

LIST PRICE, *in box* \$5.40; *in canvas bag* \$5.60; *in pocket leatherette case* \$6.10.

SET NO. 5721 is a complete assortment carrying 1 each Nos. 6723, 6725B, 6727A, 5723, 5725B, 5727, 5729 and 5731A.

LIST PRICE, *in box* \$7.95; *in canvas bag* \$8.15; *in pocket leatherette case* \$9.05.

SET NO. 3703 comprises one each of the 3 Short Pattern Nos. 6723, 6725B and 6727A.

LIST PRICE, *in box* \$2.55; *in canvas bag* \$2.70; *in pocket leatherette case* \$2.95.

A Herbrand guarantee tag is attached to each set of "Van-Chrome" Multihex Box Wrenches which insures the purchaser complete satisfaction.

Herbrand

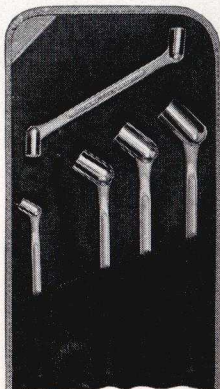
HERBRAND MULTIFLEX BOX WRENCHES



"VAN-CHROME" MULTIFLEX BOX WRENCHES

Swivel Heads

Drop-Forged from Chrome Vanadium Steel



SET No. 6820

True to its name the Multiflex is both flexible and serves a multitude of uses, because it adjusts instantly to any angle. The swivel heads break over to 90° and are equipped with compression springs to retain any working position, and handle nuts and bolts at all awkward angles. Extra deep, hot forged twelve-point sockets and very thin, straight side walls permit a full firm grip on sunken nuts. Oval handles with panel design for maximum gripping power. Satin nickel finish with brightly polished heads.

Wrench No.	Socket Size Opening	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	Length	List Price Each
6823	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	$7\frac{3}{8}$	\$1.80
6825	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	$8\frac{3}{4}$	2.00
6827	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{7}{16}$ & $\frac{1}{2}$	9	2.10
6829	$\frac{11}{16}$ & $\frac{25}{32}$	$\frac{3}{8}$ & $\frac{7}{16}$	.....	.....	$10\frac{5}{8}$	2.40
6831	$\frac{13}{16}$ & $\frac{7}{8}$	..... $\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	..... $\frac{9}{16}$	11	2.50

SET NO. 6820 contains one each of above wrenches.

LIST PRICE, in box \$10.80; in canvas bag \$11.00; in leatherette case \$11.50.

ORIGINAL "VAN-CHROME" MULTIGRIP PLIERS

Be Sure To Get The Genuine

Drop-Forged from Chrome Vanadium Steel

Herbrand created these four pliers to equip the mechanic completely for a wide range of service. Their thin jaws and unique construction make it easy to reach into inaccessible or cramped quarters. The precisely machined teeth and positive bull-dog grip permit either the fine close adjustment or the strong, hard pull. Balanced perfectly for easy handling.



No. 167



No. 167 1/2

MULTIGRIP MIDGETS No. 167 and No. 167 1/2

Little giants of capacity and utility for ignition, radio and general electrical work. The upper jaw is ideal as a cam lifter on distributors. No. 167 has finger tip control handles. No. 167 1/2 has full grip handles. Range 0" to 7/16". Length 4 1/2". Weight 2 oz.

NO. 167-S, Satin nickel, polished head. LIST PRICE, each. \$1.20

NO. 167-N, Hand polished nickel. LIST PRICE, each. \$1.50

NO. 167 1/2-S, Satin nickel, polished head. LIST PRICE, each \$1.30

NO. 167 1/2-N, Hand polished nickel. LIST PRICE, each. \$1.60



MULTIGRIP JUNIOR No. 168

A versatile tool for general service—replaces the conventional type plier. It fits the popular sizes of S.A.E. nuts and the handy 7 1/2" length and small head are very convenient for reaching into close quarters. Range 0" to 3/4", Length 7 1/2", Weight 4 1/2 oz.

NO. 168-S, Satin nickel polished head. LIST PRICE, each. \$1.70

NO. 168-N, Hand polished nickel. LIST PRICE, each. \$2.10



MULTIGRIP WATER PUMP PLIER No. 166

Here's the tool that fits water pump pack nuts on all cars and has such a wide range of other uses that it has come to be known as the most important tool in the mechanic's kit. Range 7/16" to 1 1/8", Length 9 1/2", Weight 8 oz.

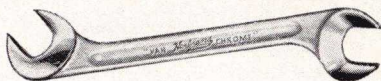
NO. 166-S, Satin nickel, polished heads. LIST PRICE, each \$2.00

NO. 166-N, Full polished nickel. LIST PRICE, each. \$2.50

SET NO. M-3 carries one each of Multigrips Nos. 167, 168 and 166 in flannel lined leatherette case.

LIST PRICE, Satin nickel. \$4.90

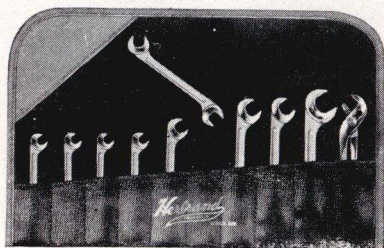
LIST PRICE, Hand polished nickel. \$6.10



"VAN-CHROME" ELECTRICAL AND IGNITION WRENCHES

15° and 60° Angle Heads

Drop-Forged from Chrome Vanadium Steel



SET No. 99

Feather lightness with amazing strength marks these wrenches as the handiest for tricky carburetor and ignition jobs. Different openings on each end, yet each size is duplicated on a separate wrench at a different angle. Ignition experts designed these wrenches for greater efficiency on magnetos, coils, ignition, distributors, ammeters, and all small nuts such as are found on radio and electrical appliances. Satin nickel handles with mirror bright heads. These wrenches are *Drop-Forged—not stampings*.

Wrench No.	Openings Milled		Thickness Heads	Length	List Price Each
	15° Angle	60° Angle			
81	$\frac{13}{64}$	$\frac{15}{64}$	$\frac{7}{64}$	3	\$.65
82	$\frac{15}{64}$	$\frac{13}{64}$	$\frac{7}{64}$	3	.65
83	$\frac{7}{32}$	$\frac{1}{4}$	$\frac{7}{64}$	3	.65
84	$\frac{1}{4}$	$\frac{7}{32}$	$\frac{7}{64}$	3	.65
85	$\frac{9}{32}$	$\frac{5}{16}$	$\frac{1}{8}$	$3\frac{1}{2}$	.70
86	$\frac{5}{16}$	$\frac{9}{32}$	$\frac{1}{8}$	$3\frac{1}{2}$	.70
87	$\frac{11}{32}$	$\frac{3}{8}$	$\frac{9}{64}$	4	.80
88	$\frac{3}{8}$	$\frac{11}{32}$	$\frac{9}{64}$	4	.80
89	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{11}{64}$	$4\frac{1}{2}$	.90

SET NO. 97 contains one each Nos. 81, 82, 83, 84, 85, 86, 87.
LIST PRICE, in flannel lined leatherette roll.\$5.20

SET NO. 99 contains one each of the nine wrenches in above table and the No. 167 Midget Plier illustrated on page 11.
LIST PRICE, in flannel lined leatherette case.\$8.50

HERBRAND OBSTRUCTO WRENCHES



"VAN-CHROME" OBSTRUCTO WRENCHES

45° and 90° Angle

Drop-Forged from Chrome Vanadium Steel



SET No. 1836

Their unique design makes it possible to reach obscure nuts or bolts and saves many hours of trying labor. The thin heads and narrow pointed jaws of this wrench reach around obstructions and positively move hidden nuts in positions that ordinary wrenches cannot reach. Brake adjustments, carburetor, manifold and steering gear work, starter nuts and the like, respond speedily to the positive pull of the Obstructo. Drop-forged from the finest Chrome Vanadium Steel. The comfortable grips are finished in smooth, satin nickel and the heads are polished to mirror brightness.

Wrench No.	Openings Milled	For U.S. Std. Nuts	For Hex Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Heads	Length	List Price Each
1821	$\frac{3}{8}$	..	$\frac{3}{16}$	..	$\frac{11}{64}$	$5\frac{1}{2}$	\$.75
1823	$\frac{7}{16}$	..	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{11}{64}$	$5\frac{1}{2}$	.75
1825	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{13}{64}$	$6\frac{1}{2}$	.90
1827	$\frac{9}{16}$	..	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{13}{64}$	$6\frac{1}{2}$	.90
1829	$\frac{5}{8}$	..	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{15}{64}$	$7\frac{1}{2}$	1.10
1831	$\frac{3}{4}$	..	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{15}{64}$	$7\frac{1}{2}$	1.10

SET NO. 1836 contains one each of above wrenches.

LIST PRICE, in box \$5.50; in pocket leatherette case \$6.20.

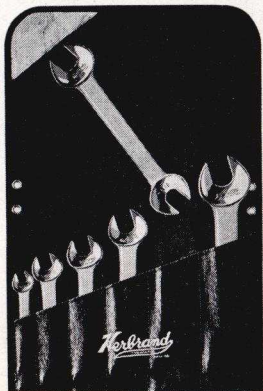
Herbrand



"VAN-CHROME" AUTOMOTIVE WRENCHES

15° Angle Pattern

Drop-Forged from Chrome Vanadium Steel



SET No. 1025

"Van-Chrome" Automotive Wrenches are the lightest, thinnest, longest and strongest wrenches of their type. Drop-forged from select Chrome Vanadium Steel, the finest alloy obtainable. Heat treated their entire length to give positive toughness and uniform durability.

The pointed jaws and thin narrow heads will reach into places where other wrenches can't. The extra length provides more leverage and accessibility. Every "Van-Chrome" wrench is insured against breaking or spreading. Satin nickel grips with mirror polished heads.

SET NO. 1025, shown above, carries one each of Nos. 1723, 1025, 1027C, 1028S, 1731A and 1033C.

LIST PRICE, *in box* \$7.35; *in pocket leatherette case* \$8.25.

Refer to page 15 for individual "Van-Chrome" Wrench sizes.

"VAN-CHROME" AUTOMOTIVE WRENCH SELECTION TABLE

15° Angle Pattern

Wrench No.	Openings Milled	Length	Thickness Heads	List Price Each
1721	$\frac{5}{16}$ & $\frac{3}{8}$	5	$\frac{3}{16}$	\$.60
1021	$\frac{5}{16}$ & $\frac{13}{32}$			
1722	$\frac{5}{16}$ & $\frac{7}{16}$			
1723	$\frac{3}{8}$ & $\frac{7}{16}$			
1022	$\frac{5}{16}$ & $\frac{1}{2}$	$5\frac{3}{4}$	$\frac{13}{64}$.70
1023	$\frac{13}{32}$ & $\frac{1}{2}$			
1723A	$\frac{3}{8}$ & $\frac{1}{2}$			
1024	$\frac{13}{32}$ & $\frac{19}{32}$			
1725	$\frac{7}{16}$ & $\frac{1}{2}$	$6\frac{1}{2}$	$\frac{15}{64}$.85
1725A	$\frac{7}{16}$ & $\frac{9}{16}$			
1725B	$\frac{1}{2}$ & $\frac{9}{16}$			
1025	$\frac{1}{2}$ & $\frac{19}{32}$			
1726	$\frac{1}{2}$ & $\frac{5}{8}$	$7\frac{1}{4}$	$\frac{17}{64}$.95
1026	$\frac{1}{2}$ & $\frac{11}{16}$			
1727	$\frac{9}{16}$ & $\frac{5}{8}$			
1027	$\frac{19}{32}$ & $\frac{11}{16}$			
1027C	$\frac{9}{16}$ & $\frac{11}{16}$	$8\frac{5}{16}$	$\frac{19}{64}$	1.20
1728	$\frac{9}{16}$ & $\frac{3}{4}$			
1028	$\frac{19}{32}$ & $\frac{25}{32}$			
1028S	$\frac{5}{8}$ & $\frac{25}{32}$			
1729	$\frac{5}{8}$ & $\frac{3}{4}$	$9\frac{3}{8}$	$\frac{23}{64}$	1.60
1029	$\frac{11}{16}$ & $\frac{25}{32}$			
1030	$\frac{11}{16}$ & $\frac{7}{8}$			
1731	$\frac{3}{4}$ & $\frac{13}{16}$			
1731A	$\frac{3}{4}$ & $\frac{7}{8}$	$10\frac{3}{4}$	$\frac{27}{64}$	2.15
1031	$\frac{25}{32}$ & $\frac{7}{8}$			
1731B	$\frac{13}{16}$ & $\frac{7}{8}$			
1032	$\frac{25}{32}$ & $\frac{31}{32}$			
1033A	$\frac{7}{8}$ & $\frac{15}{16}$	$12\frac{1}{4}$	$\frac{31}{64}$	2.90
1033	$\frac{7}{8}$ & $\frac{31}{32}$			
1733	$\frac{7}{8}$ & 1			
1033C	$\frac{15}{16}$ & 1			
1034	$\frac{7}{8}$ & $1\frac{1}{16}$	$12\frac{1}{4}$	$\frac{31}{64}$	2.90
1734	$\frac{7}{8}$ & $1\frac{1}{8}$			
1035	$\frac{31}{32}$ & $1\frac{1}{16}$			
1735	1 & $1\frac{1}{8}$			
1036	$\frac{31}{32}$ & $1\frac{1}{4}$	$12\frac{1}{4}$	$\frac{31}{64}$	2.90
1736	1 & $1\frac{1}{4}$			
1037	$1\frac{1}{16}$ & $1\frac{1}{4}$			
1737	$1\frac{1}{8}$ & $1\frac{1}{4}$			

"Van-Chrome" Automotive Wrenches are recognized as the standard of comparison. Refinements in design have increased their efficiency and accessibility.

HERBRAND TAPPET WRENCHES



"VAN-CHROME" TAPPET WRENCHES

Double End—15° Angle

Drop-Forged from Chrome Vanadium Steel



SET No. H-80

The super quality and design of "Van-Chrome" Tappet Wrenches have given them nation-wide acceptance. Maintaining their leadership through constant development of design and construction, they are still longer—thinner—lighter—and tougher. Drop-forged from Select Chrome Vanadium Steel and scientifically heat treated. Finished in baked black enamel with bright heads or in double satin nickel with mirror polished heads.

Wrench No.	Openings Milled	Thickness Heads	Length	List Price Each	
				Black Enamel Bright Heads	Satin Nickel Buffed Heads
H-1	$\frac{7}{16}$ & $\frac{17}{32}$	$\frac{5}{32}$	$7\frac{1}{4}$	\$.55	\$.75
H-2	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{5}{32}$	8	.60	.80
H-3	$\frac{5}{8}$ & $\frac{11}{16}$	$\frac{7}{32}$	8	.70	.90
H-4	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{7}{32}$	9	.85	1.10

SET NO. H-80, two each of wrenches in the above table, 8 wrenches in all, nickel finish.

LIST PRICE, *in box* \$7.10; *in pocket leatherette roll* \$7.80.

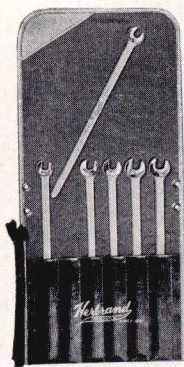
With the H-80 kit the mechanic is never at loss for the right Tappet Wrench for most any tappet adjusting job.

HERBRAND TAPPET WRENCHES

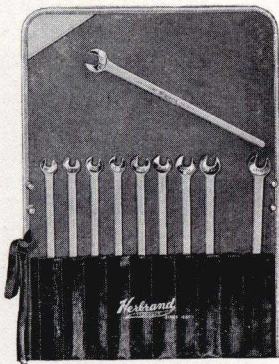


"VAN-CHROME" EXTRA LONG TAPPET WRENCHES

12½" Long—15° Angle—Single End
Drop-Forged from Chrome Vanadium Steel.



SET No. LT-6



SET No. LT-10

The mechanic who has burned his hands on a hot manifold when making tappet adjustments will appreciate these extra long Tappet Wrenches. The thin handles are 12½" long to clear the manifold and provide maximum reach with positive control for precise adjustments. Drop-forged from the finest Chrome Vanadium steel and heat treated their entire length for unfailing service. Satin nickel handles, brightly polished heads.

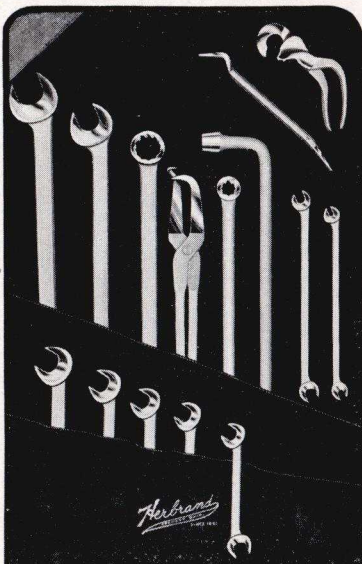
Wrench No.	Openings Milled	Thickness Heads	Length	List Price Each
LT-11	$\frac{7}{16}$	$\frac{3}{16}$	12½	\$1.30
LT-12	$\frac{1}{2}$	$\frac{3}{16}$	12½	1.30
LT-13	$\frac{9}{16}$	$\frac{3}{16}$	12½	1.30
LT-14	$\frac{5}{8}$	$\frac{3}{16}$	12½	1.40
LT-15	$\frac{11}{16}$	$\frac{3}{16}$	12½	1.40

SET NO. LT-6 contains one pair each of Nos. 12, 13 and 14.
LIST PRICE, *in box* \$8.00; *in pocket leatherette case* \$8.70.

SET NO. LT-10 contains one pair each of the 5 sizes listed in table above.

LIST PRICE, *in box* \$13.40; *in pocket leatherette case* \$14.20.



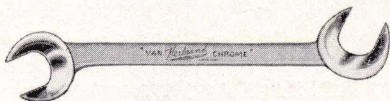
"VAN-CHROME" BRAKE TOOLS*Drop-Forged from Chrome Vanadium Steel***"VAN-CHROME" BRAKE SET No. BR-15***For description of individual tools refer to pages 19 to 23.*

Not just an ordinary collection of tools but a highly developed unit which constitutes the most complete set with the minimum number of pieces. Each wrench is designed for its particular job, with proper leverage, thinness and angles of heads to clear obstructions, enabling mechanics to adjust brakes quickly, easily and correctly on a profit producing basis. Includes tools for Bendix, Lockhead-Hydraulic, Midland Steeldraulic and others.

SET NO. BR-15 contains the 15 satin nickel brake tools illustrated on pages 19-23, Nos. 183, 241, 243, 251, 261, 262, 271, 272, 281, 282, 283, 284, 285, 301 and 2333.

Weight 8 lbs., 5 oz.

LIST PRICE, in box \$25.45; in leatherette case \$27.15.



"VAN-CHROME" BRAKE WRENCHES

Special Angle— $22\frac{1}{2}^{\circ}$ and $62\frac{1}{2}^{\circ}$ Heads

Drop-Forged from Chrome Vanadium Steel

The development of improved brakes on modern cars has increased service work and has created a definite demand for specially designed tools for the scientific adjustment of brakes to conform to safety standards. "Van-Chrome" Brake Wrenches are engineered to handle with ease both major and minor adjustments on all makes of cars and trucks. They simplify this work and save many hours of time and labor.

Auto maintenance shops and brake service specialists will immediately appreciate the super efficiency of these unusually handy special angle wrenches as being best suited for quick and easy adjustment of brakes on a profit producing basis.

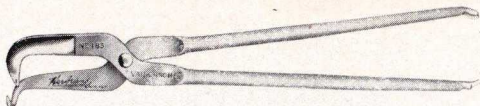
The extra narrow pointed heads insure maximum clearance in cramped quarters and the slim handles enable mechanics to work easily in confined places. Each end has the same size opening, one set at $22\frac{1}{2}^{\circ}$ the other at $62\frac{1}{2}^{\circ}$, providing the maximum efficiency for brake service work.

These highly specialized tools make perfect brake adjustments a standard by which your competition is measured. There is no need to fear tough brake jobs or flat rate schedules if you are equipped with the new "Van-Chrome" Brake Wrenches.

Drop-forged from a special analysis Chrome Vanadium Steel and heat treated throughout, they are finished in double satin nickel with heads brightly buffed.

Wrench No. 1	Openings Milled	Length	Thickness Heads	List Price Each
281	$\frac{9}{16}$ & $\frac{9}{16}$	$6\frac{1}{4}$	$\frac{1}{4}$	\$1.00
282	$\frac{5}{8}$ & $\frac{5}{8}$	$6\frac{1}{4}$	$\frac{1}{4}$	1.00
283	$\frac{11}{16}$ & $\frac{11}{16}$	$7\frac{9}{16}$	$\frac{9}{32}$	1.25
284	$\frac{3}{4}$ & $\frac{3}{4}$	$7\frac{9}{16}$	$\frac{9}{32}$	1.25
285	$\frac{7}{8}$ & $\frac{7}{8}$	$8\frac{3}{8}$	$\frac{9}{32}$	1.50

The five wrenches listed in above table are carried in the BR-15 Brake Set shown on page 18.

**"VAN-CHROME" BRAKE SPRING PLIER No. 183****13" Long for Heavy Duty Service***Drop-Forged from Chrome Vanadium Steel*

Here is a large size Brake Spring Plier with a generous capacity of jaw opening for the quick and easy removal and replacement of brake shoe springs on practically all cars equipped with internal brakes.

The sharp point of the goose neck curve of the upper jaw anchors on the brake lining in a positive way, while the cork screw hook of the lower jaw pulls the spring into position readily. The ends of the handles have different forged notches—one end slips the upright springs into position on the stud, the other end removes them easily. Satin nickel with polished heads.

Length 13", Weight 11 oz.

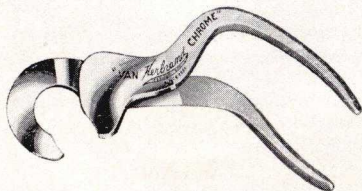
LIST PRICE, each.....\$3.20

**BRAKE SPRING PLIER No. 182****8½" Long***Drop-Forged from Chrome Alloy Steel*

Works efficiently on smaller springs where long handles would be awkward. Satin nickel finish with heads polished.

Length 8½", Weight 6 oz.

LIST PRICE, each.....\$1.90

**STEELDRAULIC BRAKE PLIER No. 272****Special Curved Handles***Drop-Forged from Chrome Alloy Steel*

Designed to reach and get a positive hold on the knurled brake adjusting nuts used on various models of Auburn, Hupmobile, Oakland, Nash, Pontiac and other cars equipped with steeldraulic brakes. Finished in satin nickel plate with mirror bright heads.

Length 5½", Weight 5 oz.

LIST PRICE, each.....\$2.10



ECCENTRIC BRAKE WRENCHES

Open End Type—15° Angle Heads

Drop-Forged from Chrome Vanadium Steel

The two sizes of Herbrand Eccentric Brake Wrenches carry the four necessary openings to adjust the eccentric cam on Bendix Internal Brakes. They are long, thin and strong and handle this important adjustment easily. Satin nickel, polished heads.

Wrench No.	Openings Milled	Length	Thickness Heads	Weight Per Doz.	List Price Each
261	$\frac{3}{16}$ & $\frac{1}{4}$	9	$\frac{7}{32}$	2 lb.	\$1.30
262	$\frac{5}{16}$ & $\frac{3}{8}$	9	$\frac{7}{32}$	2 lb. 12 oz.	1.30



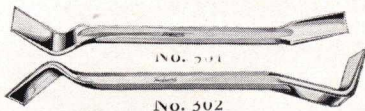
ECCENTRIC BRAKE WRENCHES

Elongated Box Type Openings

Drop-Forged from Chrome Vanadium Steel

Designed to fit the slab head on brake eccentrics and are the only wrenches of this type built. Available in six openings sizes to fit Bendix, Lockhead, and most truck and bus brakes. The unique offset makes it possible to hold the eccentric in exact position while the lock nut is being tightened. Satin plate, bright heads.

Wrench No.	Openings Broached	Length	Weight Per Doz.	List Price Each
195	$\frac{3}{16}$ & $\frac{1}{4}$	5	1 lb. 8 oz.	\$1.20
196	$\frac{5}{16}$ & $\frac{7}{16}$	6	3 lb.	1.30
197	$\frac{3}{8}$ & $\frac{1}{2}$	6	3 lb.	1.30



STAR NUT BRAKE TOOLS

Drop-Forged from Chrome Alloy Steel

Clears obstructions such as shock absorbers and frame fittings easily. Thinner and wider contact points and that sensitive touch so necessary for locating and adjusting the cog screw on Bendix Brakes. Satin nickel with polished points. Length 8", Wgt. 4½ oz.

NO. 301 for Bendix Brakes on most passenger cars and trucks.
NO. 302 for Bendix Brakes on Hudson and Essex cars.

LIST PRICE, each.....\$.75



"VAN-CHROME" EXTRA LONG WRENCHES

22 1/2° Angle—Open End

Drop-Forged from Chrome Vanadium Steel

Specially designed for anchor nuts on Bendix and other mechanical brakes both external and internal, these wrenches have extra length to provide ample leverage for heavy service. To adjust brakes correctly, U bolts, shackle bolts and spring perch nuts must first be properly tightened and these three wrenches will be found invaluable for this work. The extra long handles make it easy to work under cars and they will be found useful for many other jobs requiring strong, extra leverage wrenches, especially on trucks and tractors. Finished in satin nickel with bright heads.

Wrench No.	Openings Milled	Length	Thickness Heads	List Price Each
241	3/4 & 7/8	15	7/16	\$2.60
242	15/16 & 1 1/16	16	1/2	2.80
243	1 & 1 1/8	16	1/2	2.80



"VAN-CHROME" BOX WRENCH No. 251

Extra Long—5/8" Offset—50° Angle

Drop-Forged from Chrome Vanadium Steel

This wrench will clear obstructions and operate efficiently even where nuts are countersunk. It is designed for anchor studs on internal mechanical brakes and will also be found very useful for heavy duty work on tractors and large trucks. Drop-forged from select Chrome Vanadium Steel, carefully heat treated and finished in double satin nickel with brightly polished heads.

Twelve point openings 15/16" and 1 1/16", Length 16", Weight 1 lb.

LIST PRICE, each.....\$2.60



FORD BRAKE WRENCH No. 2333

For Models A, AA, B, BB and V-8

Drop-Forged from Chrome Vanadium Steel

Extreme lightness and thinness with maximum strength are some of the outstanding features of this wrench. The long, thin handle reaches the adjusting nut easily with plenty of leverage for frozen or rusted brake nuts. The 8-point box type openings slip over the nut in a positive way, gripping it at any angle and permitting either a short or full turn. Finished in double satin nickel with polished heads.

Eight point openings $\frac{7}{16}$ " and $\frac{1}{2}$ ", Length 11", Weight 7 $\frac{1}{2}$ oz.
LIST PRICE, each.....\$1.20

NO. 2332, same design as above but forged from carbon steel instead of Chrome Vanadium.

Eight point openings $\frac{7}{16}$ " and $\frac{1}{2}$ ", Length 11", Weight 14 oz.
LIST PRICE, Satin nickel.....\$.75



OFFSET SOCKET WRENCH No. 271

Special 2 $\frac{1}{2}$ " Offset

Forged from Chrome Vanadium Steel

When brake adjustments must be made through the drum either inside or outside the wheel this wrench will be found invaluable. It is designed to fit the adjusting nuts on Bendix and Steeldraulic internal brakes for which it is the ideal tool. Also well suited for connecting rod service on Ford V-8. It is not guaranteed against breakage because of the extreme thinness of the head walls. Finished in satin nickel plate with heads buffed bright.

Six point openings $\frac{9}{16}$ " and $\frac{5}{8}$ ". Length 11 $\frac{1}{2}$ ", Weight 13 oz.
LIST PRICE, each.....\$1.60



"VAN-CHROME" TERMINAL LIFTER AND SCRAPER No. 177

Drop-Forged from Chrome Vanadium Steel

Under the powerful leverage of this tool, badly frozen or corroded battery terminals snap up easily without marring, cracking, or loosening the plates or injuring the tops of the cells. A special release joint dismembers the plier, providing one section with a serrated nose for cleaning terminals and the other with sharp jaws for scraping posts. Polished nickel finish.

Length 10 $\frac{1}{2}$ ", Weight 13 $\frac{1}{2}$ oz.

LIST PRICE, *each*.....\$3.20



"VAN-CHROME" BATTERY PLIER No. 179

Drop-Forged from Chrome Alloy Steel

This popular, improved battery plier is original Herbrand design. The gripping jaws are serrated to take positive hold of terminal nuts, even though badly corroded, mutilated or eaten away. The jaws are set at 30° angle for easy accessibility, regardless of position of battery. The nose is tapered both sides to clear filler caps.

Range $\frac{5}{32}$ " to 1", Length 8", Weight 7 oz.

NO. 179-S, Satin nickel, bright head. LIST PRICE, *each*...\$1.60

NO. 179-N, Hand polished nickel. LIST PRICE, *each*... \$2.00



BATTERY AND STARTER NUT WRENCH No. 276

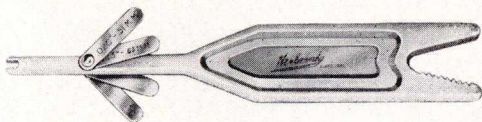
Drop-Forged from Select Tool Steel

Here is a specially designed box type wrench with 12-point openings for either the removal or installation of the battery cable. One end has a $\frac{9}{16}$ " opening and fits battery terminal bolt nuts, the other end has a $\frac{5}{8}$ " opening and fits the copper nut on the starter switch, or starter motor connection. Satin nickel plate, buffed heads.

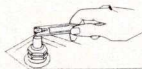
Length 6", Weight 2 $\frac{1}{2}$ oz.

LIST PRICE, *each*.....\$.75

HERBRAND SPARK PLUG TOOL



Adjusting Electrodes



Removing Terminal

"VAN-CHROME" SPARK PLUG TOOL No. 140

The Three-in-one Tool

FOR GAP ADJUSTING AND ACCURATE GAUGING

Drop-Forged from Chrome Vanadium Steel

Proper firing of spark plugs depends much upon the proper spacing of the firing points. Here is the tool that eliminates "thin dime" methods and does the job with 100% accuracy. It carries the four feeler gauge sizes required to space the gap between the electrodes on all types of spark plugs. These gauges are the exact thickness recommended by spark plug and automobile manufacturers.

The adjusting end is machined with the proper slot for setting the electrodes to the exact spacing required for motor efficiency. It avoids damaging or snapping off firing points.

The handle end is forged with an alligator jaw for removing or tightening the spark plug terminals. The serrated teeth take a firm hold without damaging the nut.

This unusually handy tool is drop-forged from a select grade of Chrome Vanadium Steel for maximum strength, yet retains feather lightness for ease of handling and positive results. The Herbrand Spark Plug Tool is only five inches long but it is perfectly balanced and designed to fit the natural grip of the hand. It slips easily into the vest pocket where it is always available for immediate use. Finished in satin nickel with bright plated gauges.

Size of gauges .020"-.51 M.M., .025"-.63 M.M., .030"-.76 M.M., .35"-.89 M.M.

Length 5", Weight 2 oz.

LIST PRICE, each.....\$.90

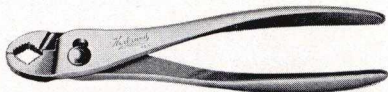
Herbrand

**"VAN-CHROME" MULTIDUTY PLIER No. 178****Compound Action***Drop-Forged from Chrome Vanadium Steel*

The positive biting grip of the 10 to 1 power Multiduty gets pipe fittings and rods, tough and battered nuts, whether square, hex or rounded. Corroded and rusted nuts come easy with this amazing tool which replaces many wrenches and several pair of pliers. Polished nickel finish.

Range $\frac{3}{16}$ " to $\frac{3}{4}$ ", fitting all popular S.A.E. nuts, Length 9", Weight 12 oz.

LIST PRICE, each.....\$2.60

**GENERAL SERVICE PLIER No. 169****For Square or Hex Nuts***Drop-Forged from Tool Steel*

Milled with a hex opening, it fits the entire range of nuts from $\frac{3}{8}$ " to $\frac{7}{8}$ ". The serrated teeth take a firm non-slip hold, and the 8" handles provide ample leverage. The slip joint permits quick and easy adjustment to fit any square or hex nut within its range. The short, thin, rounded nose reaches and turns nuts in inaccessible quarters. Heat treated throughout to insure long life.

Length 8", Weight 10 oz.

NO. 169-S, Satin nickel plate. LIST PRICE, each.....\$.90

NO. 169-N, Full polished nickel. LIST PRICE, each..... 1.10

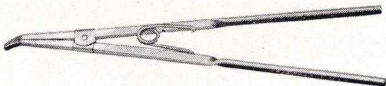
**COMBINATION SLIP JOINT PLIER No. 151***Drop-Forged and Heat Treated Throughout*

Built to sell at a moderate price, this general utility plier retains the well known Herbrand quality. The accurately milled sharp teeth take a biting hold and the short rounded nose is ideal for close gripping. The slip joint feature gives it a wide variety of uses. Individually hardened and tempered.

Length 6", Weight 8 oz.

NO. 151-B, Black enamel. LIST PRICE, each.....\$.35

NO. 151-S, Satin nickel. LIST PRICE, each.....\$.40



LONG NOSE ALLIGATOR PLIERS Nos. 184 and 185

The long, thin nose provides a long, lean reach into the most inaccessible places. Useful for handling valve pins and horseshoe washers, cotter and clevis pins, steel balls, and making wire connections. They have innumerable other uses, such as holding small screws and elusive objects of any kind. Handy for retrieving objects that may have accidentally dropped into the chassis, crank case or other "hard to reach" places.

Available in two styles: No. 184 with straight nose, No. 185 with bent nose as illustrated. Bright natural finish.

Length 9 1/2", Weight 2 3/4 oz.

NO. 184, Straight nose. LIST PRICE, *each*.....\$.60

NO. 185, Bent nose. LIST PRICE, *each*.....\$.65



QUICK-LINK CHAIN REPAIR PLIER No. 161

Improved Design

Drop-Forged from Chrome Alloy Steel

Just what the service man has been waiting for. A tire chain repair plier of improved design that does the job quickly, easily and better. Satin nickel finish, polished heads.

Length 11", Weight 14 oz.

LIST PRICE, *each*.....\$2.20



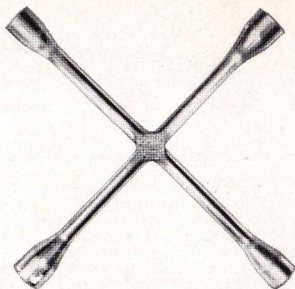
CHAIN REPAIR PLIER No. 160

Drop-Forged from Tool Steel

A good chain plier at low cost. Length 10 1/4", Weight 16 oz.

NO. 160-B, Black enamel. LIST PRICE, *each*.....\$.75

NO. 160-S, Satin nickel. LIST PRICE, *each*.....\$.85



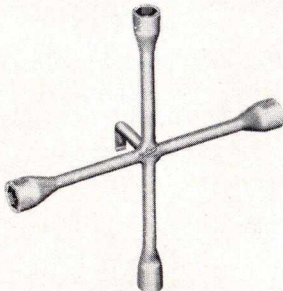
FOUR-WAY RIM WRENCH No. 1050X

New Improved Design—No Welds

Drop-Forged in One Solid Piece

Powerful leverage and plenty of clearance with this perfectly balanced Super Four-Way Rim Wrench. This new improved design has extra deep, tapered sockets that fit down snugly. Equipped with the new popular openings $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{13}{16}$ " and $\frac{7}{8}$ ", it fits most passenger car and light model truck rim nuts. Heat treated and break-proof. Satin nickel. Length 13", Weight $2\frac{1}{4}$ lbs.

LIST PRICE, each.....\$1.45



FOUR-WAY RIM WRENCH AND HUB CAP REMOVER No. 1055X

Drop-Forged—No Welds

Added to the powerful leverage of this perfectly balanced Super 4-Way Rim Wrench is the easy Hub Cap Removing Feature. It is perfectly designed to pull the cap instantly without marring either the cap or the wheel. The Hub Cap Prong is permanently anchored into the one piece drop-forged 4-Way Rim Wrench and it cannot pull out or break. Equipped with the popular openings $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{13}{16}$ " and $\frac{7}{8}$ ". Satin nickel finish. Length 13", Weight $2\frac{1}{4}$ lbs.

LIST PRICE, each.....\$1.70

HERBRAND RIM WRENCHES



No 1150A



No 1150B



No 1150C

UNIVERSAL TRUCK RIM WRENCH SET No. 1150T

Seven Different Opening Sizes

Forged from a Solid Bar of Steel

When powerful, pulling leverage is needed, these wrenches never fail. They carry the combination of seven openings (2 square openings inside of the hex sockets), which makes the set a universal truck rim wrench. No. 1150A is adaptable to Ford and No. 1150B to Chevrolet Dual Wheels because the proper combination of openings are grouped in the individual bars.

Forged from solid bars of select tool steel with extra deep sockets. Heat treated throughout to withstand gruelling punishment. The 20" hex handle slides through the opening in each wrench, acting as a T handle, and creating a powerful leverage that starts the most stubborn nuts easily. Satin nickel finish.

Weight of set complete 12½ lbs.

NO. 1150A, 15 7/8" long, has openings 1 1/2" hex, 1 1/8" hex and 13/16" square.

LIST PRICE, *each*..... \$1.75

NO. 1150B, 15 7/8" long, has openings 1 1/4" hex, 7/8" hex and 5/8" square.

LIST PRICE, *each*..... \$1.75

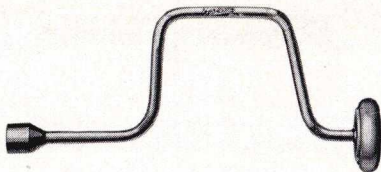
NO. 1150C, 20" long, leverage bar, has 1 1/16" hex opening.

LIST PRICE, *each*..... \$1.30

SET NO. 1150 T, 1 each of above, 3 pieces in all.

LIST PRICE, *complete*..... \$4.80

Herbrand



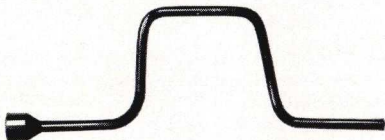
FORGED BRACE RIM WRENCHES

With Revolving Cap Handle

The solid forged sockets are extra deep to permit a firm grip on the acorn nuts used on wire and disc wheels. Available in five sizes as follows: No. 1010, $\frac{5}{8}$ " ; No. 1011, $\frac{11}{16}$ " ; No. 1012, $\frac{3}{4}$ " ; No. 1013, $\frac{13}{16}$ " ; No. 1014, $\frac{7}{8}$ " .

Length $15\frac{1}{4}$ " , Weight $1\frac{1}{2}$ lbs.

LIST PRICE, *each*, Black enamel.....\$.55
LIST PRICE, *each*, Satin nickel.....\$.60



With Plain Handle

Forged from a single piece of high carbon steel, heat treated throughout, with sockets that will not break, spread, or twist off at the shank. Made in five sizes—No. 1110, $\frac{5}{8}$ " ; No. 1111, $\frac{11}{16}$ " ; No. 1112, $\frac{3}{4}$ " ; No. 1113, $\frac{13}{16}$ " ; No. 1114, $\frac{7}{8}$ " .

Length 17" , Weight $1\frac{1}{2}$ lbs.

LIST PRICE, *each*, Black enamel.....\$.45
LIST PRICE, *each*, Satin nickel.....\$.50



No. 1213 With Double Socket

Combined in this wrench are the two popular sizes most frequently used for tire changes. One end has a $\frac{3}{4}$ " socket and the other end has a $\frac{13}{16}$ " socket.

Length 17" , Weight 1 lb., 10 oz.

LIST PRICE, *each*, Black enamel.....\$.60
LIST PRICE, *each*, Satin nickel.....\$.65

HERBRAND VALVE STEM WRENCHES



"VAN-CHROME" TIRE VALVE
STEM WRENCHES

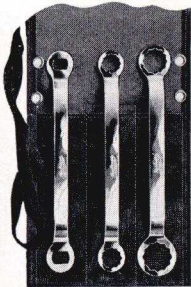
Drop-Forged from Chrome Vanadium Steel

The thin, tapered heads of these wrenches are slotted to slip over any type valve stem nut and operate easily where obstructions are close. The 12-point, box type openings take hold with a clean, positive grip that prevents slipping and damaging enamel on rims and spokes. They are especially efficient on wire wheels and permit maximum turning in the limited space between spokes. They assure quicker and easier tire changes and carry the popular combinations of openings. Satin nickel finish, mirror polished heads.

NO. 173, $\frac{11}{16}$ " and $\frac{3}{4}$ " openings, Length $6\frac{1}{2}$ ", Weight 4 oz.
LIST PRICE, each.....\$1.40

NO. 174, $\frac{7}{8}$ " and $1\frac{1}{8}$ " openings, Length $7\frac{1}{2}$ ", Weight $6\frac{1}{2}$ oz.
LIST PRICE, each.....\$1.60

TIRE, VALVE STEM AND BASE NUT WRENCHES



Carefully engineered with just the right angle on the offset heads for easy clearance and a full, free swing. Satin nickel finish.

No. 170 has 12-point openings that adapt it to most tire valve stem nuts.

No. 171 has 12-point openings to fit the valve base nuts and clears the flange fully.

No. 172 has oval openings that hold the valve stem rigid without damaging threads. These two tools (Nos. 171 and 172) eliminate the use of a vise.

No. No. No.
172 171 170

Length 8", Weight $3\frac{1}{2}$ oz. each.

LIST PRICE, each, NOS. 170, 171, 172.....\$.70

SET NO. 175, One each of three wrenches in flannel lined leatherette roll.

LIST PRICE, complete\$2.50





RING TOOL No. 1120

Drop-Forged from Tool Steel

A necessary tool for removing and replacing the lock rings on the various types of wheels on which these rings are standard equipment. Heat treated, smoothly ground and finished in satin nickel.

Length 15 1/2", Weight 1 1/2 lbs.

LIST PRICE, each.....\$.70



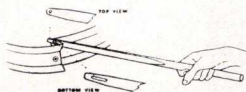
RIM AND TIRE TOOL No. 1121

Drop-Forged from Tool Steel

Practically all types of rims are unlocked with this tool. It also makes a handy iron for all tire changes. Heat treated throughout, ground smooth and finished in satin plated nickel all over.

Length 15 1/2", Weight 1 1/2 lbs.

LIST PRICE, each.....\$.70



SPECIAL RIM AND TIRE IRON No. 1125

Long Leverage

Drop-Forged from Tool Steel

Shaped just right for efficient use and 20" long for extra leverage, this tool is exceptionally well balanced. An outstanding feature that all tire men will appreciate is the recessed grooves on the top and bottom of the working end. The round recess on the top hooks into the corner of the rim and holds it positively in place while the elongated groove on the bottom hooks into the opposite corner of the rim and rides the two rim ends together. This tool makes tire changes easier and faster and eliminates the hazards of slipping. Satin nickel plate all over.

Length 20", Weight 1 lb., 12 oz.

LIST PRICE, each.....\$.90



SPOON TYPE TIRE IRON No. 1126

Straight Pattern

Drop-Forged from Tool Steel

Herbrands master tire irons were designed by tire experts for tire service men. The broad, thin paddle shaped blade takes hold of a larger area lifting the tire from the rim in a few easy strokes with a minimum of effort and time. The blunt handle end is designed to drive dual tires and rings on or off. These irons are extra strong to handle bus, truck and all passenger car tires. Finished in satin nickel plate.

Length 18", Weight 2 lbs.

LIST PRICE, each.....\$1.00



SPOON TYPE TIRE IRON No. 1127

Curved Pattern

Drop-Forged from Tool Steel

Master tire irons No. 1127 and No. 1126 are usually sold in pairs. The curved blade in combination with the straight one make an unbeatable pair. They are perfectly balanced for ease of handling, and the broad blades avoid bruises and damage to the tire. Satin nickel plate finish.

Length 18", Weight 2 lbs.

LIST PRICE, each.....\$1.05



ADJUSTABLE TIRE SPREADER No. 1128

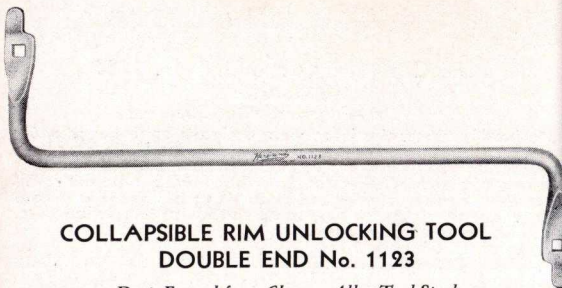
Revolving Spindles

Fabricated from Select Steel

A very practical and necessary tool for tire shops, service stations and all garages. The spindle rollers rotate freely and slip easily into the opening of the casing, spreading it with a simple pull of the long leverage handle which is set at a 96° angle for maximum clearance. The end of the bar is curved to clear the opposite side of the casing. The adjustable feature is designed so that the end roller may be set to spread tires from 5 1/2" to 7 3/4". Double plated satin nickel finish.

Length 18 1/2", Weight 2 lbs., 12 oz.

LIST PRICE, each.....\$2.30



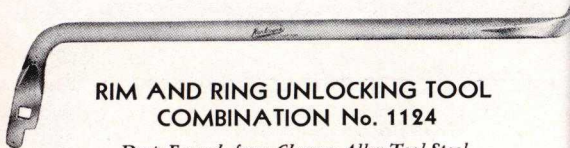
COLLAPSIBLE RIM UNLOCKING TOOL DOUBLE END No. 1123

Drop-Forged from Chrome Alloy Tool Steel

A long 19" handle for extra leverage in locking or unlocking practically all collapsible rims even though they may be rusted. It is a double end tool which gives double service. The square holes are properly placed for engaging the locking device. Double satin nickel finish and heat treated from end to end.

Length 19", Weight 1 lb., 14 oz.

LIST PRICE, each.....\$1.10



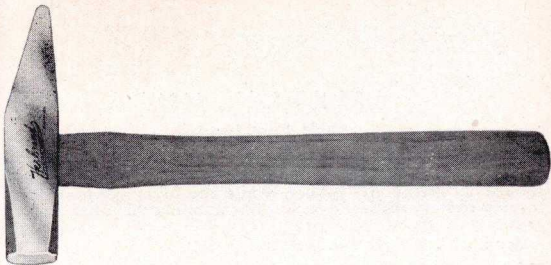
RIM AND RING UNLOCKING TOOL COMBINATION No. 1124

Drop-Forged from Chrome Alloy Tool Steel

Engineered for faster and easier rim work. One end is designed to quickly unlock or lock practically any type collapsible rim. The square hole is set in the proper place for engaging the locking device with greatest efficiency and the 19" length provides ample leverage. The opposite end is forged into a speedy ring unlocking tool for the easy removal and replacement of retaining rings on wire, disc or Budd wheels. It is a double end tool that combines two tools in one. Satin nickel finish, heat treated throughout, forged from $\frac{3}{4}$ " round Chrome Alloy steel.

Length 19", Weight 2 lbs., 4 oz.

LIST PRICE, each.....\$1.15



"VAN-CHROME" TIRE HAMMER

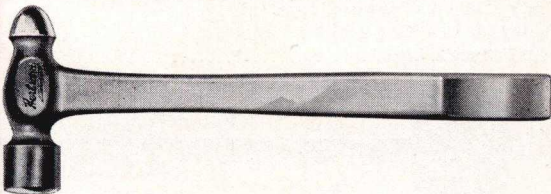
No. 1130

Drop-Forged from Chrome Alloy Steel

An unusually well balanced hammer especially designed for removing tires that cling stubbornly to the rims. Extremely tough but not brittle eliminating the danger of chipping or flying pieces. All corners are rounded or bevelled so that they cannot damage tire or rim. The head is firmly anchored to the handle. Finished in satin nickel. High quality hickory handle.

Length 14", Weight 3 1/2 lbs.

LIST PRICE, *each*.....\$2.40



ALL STEEL BALL-PEIN HAMMER AND TIRE TOOL No. 165

Drop-Forged in One Piece

Here is the hammer that will stand up under all conditions. The head cannot come loose and the handle will not break because it is a solid drop-forging made from one piece of steel. The end of the handle is forged in the shape of a tire tool. It is not only an ideal tire tool but is mighty useful for all sorts of prying and lifting jobs.

Length 11", Weight 1 lb., 8 oz.

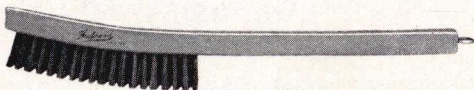
NO. 165-B, Black enamel, LIST PRICE, *each*.....\$1.25

NO. 165-S, Satin nickel, LIST PRICE, *each*.....\$1.35

**TIRE AWL No. 1131****Handfit Wood Handle**

Ideal for removing glass, nails, tacks, stones or other objects that become imbedded in tires. The broad, tapered blade is shaped to spread the rubber, while the blunt point removes foreign objects without danger of penetrating the tube. Blade is satin nickel plated.

Length 7", Weight 2 oz.

LIST PRICE, *each*\$.30**TIRE AND RIM BRUSH No. 1132****Curved Wood Handle***For Cleaning Rims and Casings*

A good quality brush made of stiff, round steel wire. The 14" handle is curved to reach easily into the casings for cleaning. Handy for removing rust and dirt from rims and other metal parts. The brush part is 6" long.

Length 14". Weight 14 oz.

LIST PRICE, *each*\$.45**TIRE MALLET No. 1133****Solid Rubber Head***For Removing and Mounting Tires*

The head of this mallet is solid resilient rubber that permits its practical use where a metal hammer would cause damage. It is intended for tire changes but is also popular for automotive body work, fender straightening and for use on materials that are subject to bruising and marring. The handle is firmly vulcanized into the head.

Length 15", Weight 1½ lbs.

LIST PRICE, *each*\$1.20



ALL STEEL SCREW DRIVER No. 146

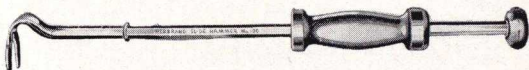
Drop-Forged in One Piece

A powerful screw driver with a sure grip and a self-contained handle that cannot break nor come loose. Heat treated all over.

Length 9½", Weight 10 oz.

NO. 146-B, Black enamel, LIST PRICE, *each*.....\$.50

NO. 146-S, Satin nickel, LIST PRICE, *each*.....\$.55



SLIDE HAMMER No. 180

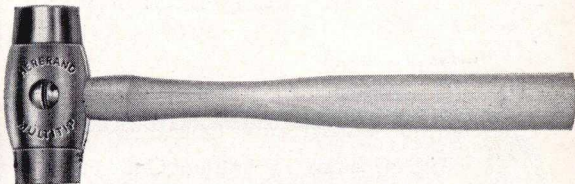
The Pulling Tool of Many Uses

Drop-Forged and Heat Treated

Frozen axle shafts, stuck valves, gears, bearings, bolts, clevis pins and a multitude of other tough jobs—none can resist the powerful pull of the Slide Hammer. The octagon shaped slide bar permits the grip hammer to slide freely, delivering the full force of its heavy blow against the stop. It is drop-forged with jaws of Chrome Vanadium Steel and heat treated. Satin nickel.

Length 20", Weight 4 lbs.

LIST PRICE, *each*.....\$4.75



MULTITIP 4 IN 1 HAMMER No. 130

Four Interchangeable Tips

Soft tip hammers are a necessity in garages and auto body and fender shops, or wherever body and fender work is done. Indispensable for fitting piston pins, wrist pins, and the like, because blows from the Multitip will not draw the metal nor bruise the work. The head tips and handle are securely locked in the drop-forged head with a special screw and lock washer. Nickel plated head, hickory handle. Four interchangeable tips of copper, lead, composition and rubber.

Length 14", Weight 2 lbs.

LIST PRICE, *complete hammer with 4 tips*.....\$3.95

HERBRAND CERTIFIED GREASING TOOLS

For Better and Faster Lubrication

Here are the necessary greasing tools that insure faster and more thorough lubrication. They eliminate the hazard of bending, distorting or otherwise damaging the shackles in an effort to force grease through the bushings. Properly designed to release the weight of the car from the shackle bushings which permits a free flow of grease to the most stubborn spring shackles.



ONE-MAN GREASE BAR No. 190

For Frozen Shackles

Drop-Forged from Tool Steel

Frozen shackles are quickly freed and thorough greasing becomes an easy, one-man job with this scientifically designed bar. The fork end fits over the spring and applies side pressure instead of end pressure and is set at a 25° angle to give easy access to any type of spring. It clears the crankcase, muffler, fenders and grips three spring leaves—a feature found only in the Herbrand One-Man Grease Bar. The long, thin pry end with the knurled base prevents slipping. The entire bar is drop-forged from one piece of select $\frac{3}{4}$ " octagon tool steel and is heat treated throughout. Finished in rust-resisting satin nickel plate.

Length 30", Weight 4 $\frac{3}{4}$ lbs.LIST PRICE, *each*.....\$2.50FRONT SPRING SHACKLE GREASE
BAR No. 191*Drop-Forged from Tool Steel*

Especially designed for quicker and more thorough lubrication of the front spring shackles. The head is placed at an angle of 90° to get around all obstructions and provide maximum handling efficiency, either on the lift or in the pit. Drop-forged solid from $\frac{3}{4}$ " octagon tool steel, heat treated from end to end and finished in double satin nickel.

Length 20", Weight 3 $\frac{1}{2}$ lbs.LIST PRICE, *each*.....\$2.10



EASY-WAY DRAIN PLUG WRENCH No. 193

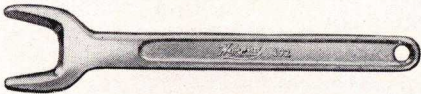
Ten Sizes In One Tool

Drop-Forged from Chrome Alloy Steel

No more lost time searching for special Drain Plug sockets and handles. Here, combined in one wrench, are the ten different sizes of lugs required to service all countersunk drain and filler plugs in the clutch, crankcase, transmission and differential on most automobiles and trucks. The lugs are forged accurately to size assuring perfect fit. The 9-inch length provides powerful leverage to easily remove stubborn plugs. Satin nickel finish.

Length 9", Weight 14 oz.

LIST PRICE, *each*.....\$1.60



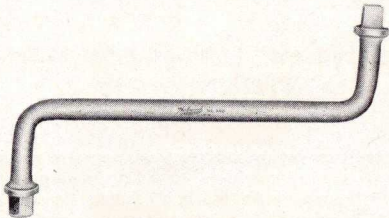
SPRING SHACKLE GREASING TOOL No. 192

Drop-Forged from Chrome Alloy Steel

Designed for prying Tryon Shackles with taper bushings. Briefly—this tool makes it a one-man job. Satin nickel finish.

Length 11", Weight 10 oz.

LIST PRICE, *each*.....\$1.10



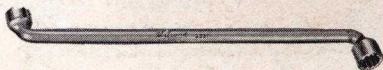
HUDSON ESSEX CLUTCH PLUG WRENCH No. 290

Forged from Chrome Alloy Tool Steel

Necessary to remove the clutch filler plug on Hudson and Essex 1932, cars. One end has a 5/16" forged square plug, the other of 3/16" hexagon. Finished in satin plate.

Length 6 1/2", Weight 6 oz.

LIST PRICE, *each*.....\$.65



"VAN-CHROME" CHEVROLET MAIN BEARING WRENCH No. 1937

Forged from Chrome Vanadium Steel

Designed for more efficient main bearing work for Models 1929 to 1933 inclusive, and also for cylinder head nuts on these models. The heads are properly offset at just the correct angle necessary for easy operation. They have 12 - point $\frac{5}{8}$ " and $\frac{3}{4}$ " socket type openings with extra thin side walls. Finished in satin nickel with polished heads.

Length 16", Weight 1 lb., 1 oz.

LIST PRICE, each.....\$2.00



"VAN-CHROME" STARTER AND MANIFOLD WRENCH No. 1936

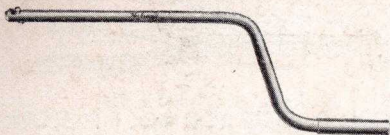
Drop-Forged from Chrome Vanadium Steel

Here is a real time-saving tool that replaces many special, costly wrenches. No. 1936 combines 12-point openings of $\frac{5}{8}$ " and $\frac{9}{16}$ ". The $\frac{5}{8}$ " opening fits Buick, Chevrolet, Pontiac Six, and Pontiac Eight starter. The $\frac{9}{16}$ " opening fits Buick manifold, Buick heat trap, Buick carburetor nut, Chevrolet manifold, Essex starter and Pontiac manifold.

The unique design and thin heads permit reaching around corners and interfering parts. Satin nickel finish, polished heads.

Length $9\frac{3}{8}$ ", Weight 7 oz.

LIST PRICE, each.....\$1.35



CHEVROLET STARTING CRANK No. 1930R

(Chevrolet No. 355441)

For Models 1929 and 1930 Passenger Cars

Herbrand cranks are forged from one piece of high carbon steel and heat treated throughout to prevent contact pins from becoming mutilated and the handles from bending. Designed to clear the frame and apron and has a pressed steel revolving grip handle to permit a fast, free spin. Finished in black enamel.

Length 22 $\frac{3}{4}$ ", Weight 3 lbs., 4 oz.

LIST PRICE, *each*.....\$.60

CHEVROLET STARTING CRANK No. 1931R

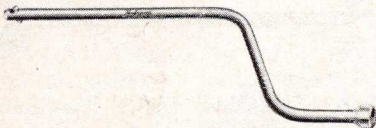
(Chevrolet No. 352768)

For Models 1923 to 1928 and 1933 Passenger and Truck

Same design as No. 1930R, illustrated above, with pressed steel revolving grip handle but of a different length to fit the models as listed. Baked black enamel finish.

Length 19 $\frac{1}{4}$ ", Weight 3 lbs.

LIST PRICE, *each*.....\$.55



CRANK AND WHEEL NUT WRENCH No. 1931

For Chevrolet Models 1931 and 1932

One end has the starting crank, the other a socket opening for the removal of rim nuts. Finished in baked black enamel.

Length 14 $\frac{1}{2}$ ", Weight 2 lbs., 6 oz.

LIST PRICE, *each*.....\$.70

CRANK AND WHEEL NUT WRENCH No. 1933

(Chevrolet No. 370853)

For 1933 Model

Same as No. 1931, illustrated above, except length of shaft from lug to bend is 11" long instead of 7". Finished in black enamel.

Length 18 $\frac{1}{2}$ ", Weight 2 lbs., 10 oz.

LIST PRICE, *each*.....\$.75



FORD RADIUS ROD BOLT HOLDER

No. 2330

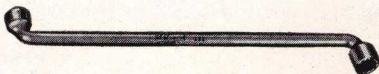
For Ford Models A and AA

Drop-Forged and Heat Treated

Designed to easily assemble the radius rod bolts through the $1\frac{1}{16}$ " diameter opening at the bottom of the flywheel housing. This operation is difficult to perform with the hands, due to the limited space provided. It speeds up work and eliminates the hazard of dropping the front radius rod bolts into the flywheel housing. When this happens, four to five hours of time and labor are required to extricate the bolt without the use of this tool. Satin nickel finish, with polished heads.

Length 10", Weight 8 oz.

LIST PRICE, each.....\$2.25



"VAN-CHROME" MAIN BEARING WRENCH No. 2331

For Ford Models A, AA, B, BB, and V-8

Drop-Forged from Chrome Vanadium Steel

The head of this wrench is set at the correct angle to reach and turn the $\frac{3}{4}$ " hex nut on the main bearing bolt of the Ford Cars. It carries a $\frac{9}{16}$ " 8-point opening in one end and a $\frac{3}{4}$ " 12-point opening in the other. The "Van-Chrome" Main Bearing Wrench has the necessary 16" length essential to service all Ford main bearing bolts. Satin nickel finish with brightly polished heads.

Length 16", Weight 1 lb. 3 oz.

LIST PRICE, each.....\$2.00



"VAN-CHROME" FORD BRAKE ADJUSTING WRENCH No. 2333

For Ford Models A, AA, B, BB and V-8

The long, thin handle of the Ford Brake Adjusting Wrench reaches the adjusting nut easily with plenty of leverage for frozen or rusted brake nuts. The box type heads are broached with 8-point openings of $\frac{1}{16}$ " and $\frac{1}{2}$ " and the thin side walls and slender handles make this wrench extremely efficient and easy to use. Drop-forged from Chrome Vanadium Steel and heat treated throughout for strength and durability. Satin nickel with mirror polished heads.

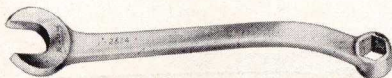
Length 11", Weight 7 $\frac{1}{2}$ oz.

LIST PRICE, each.....\$1.20

NO. 2332 Same design as No. 2333 but drop-forged from Carbon Steel. Finished in satin nickel.

Length 11", Weight 14 oz.

LIST PRICE, each.....\$.75



SPARK PLUG AND CYLINDER HEAD WRENCH Nos. 2334 and 2334-A

For Ford Models T, A, AA, B, BB and V-8

Drop-Forged and Heat Treated

Made in two sizes—No. 2334 for Model T Ford; No. 2334A for all later models—this Herbrand Cylinder Head and Spark Plug Wrench is recognized as the dependable Ford tool. It is the highest quality and is drop-forged, accurately sized and heat treated throughout. Satin nickel finish.

Length 10", Weight 12 oz.

NO. 2334, openings, box end $\frac{5}{8}$ "; open end $1\frac{5}{16}$ ".

LIST PRICE, each.....\$.50

NO. 2334A, openings box end $1\frac{1}{16}$ "; open end $1\frac{1}{8}$ ".

LIST PRICE, each.....\$.55



"VAN-CHROME" HEAD AND MANIFOLD WRENCH No. 2340

For Ford Models A, AA, B and BB

Drop-Forged from Chrome Vanadium Steel

With this wrench it is unnecessary to remove the carburetor adjusting rod to reach the exhaust manifold nuts. It has a $\frac{11}{16}$ " 12-point socket opening on one end, and $\frac{11}{16}$ " 12-point box opening on the other end to clear the water outlet pipe. No. 2340 "Van-Chrome" will handle all head bolts and manifold nuts on Ford Models A, AA, B and BB. Drop-forged from Chrome Vanadium Steel, with 4" offset socket head. Finished in satin nickel plate.

Length 15" Weight 15 oz.

LIST PRICE *each*.....\$2.20



"VAN-CHROME" SHOCK ABSORBER WRENCH No. 2341

For Ford Cars, All Models

Drop-Forged from Chrome Vanadium Steel

This wrench is specially designed to fit the oil filler plugs on all Ford shock absorbers. The filler plugs on rear shock absorbers are set so close to the fender that it is difficult for an ordinary wrench to remove them. The offset head clears the shock absorber arms and brake rods saving time, energy and barked knuckles. Satin nickel, polished head.

Length 5" Openings $\frac{7}{16}$ " Weight 1 $\frac{1}{2}$ oz.

LIST PRICE, *each*.....\$.80



FAN DRIVE PULLEY NUT WRENCH No. 2342

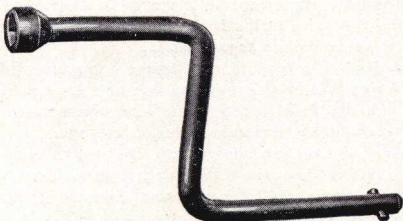
For Ford Models A, AA, B and BB

Drop-Forged from Chrome Alloy Steel

Built with a double offset to clear the fan driving pulley on the crankshaft. It eliminates the necessity of removing the radiator to reach the fan pulley nut. Built extra long for leverage and has a 12-point box type opening of $1\frac{3}{8}$ " for ratchet working effect. Satin nickel finish.

Length 18" Weight 3 lbs.

LIST PRICE, each.....\$2.50



STARTING CRANK AND WHEEL NUT

No. 2337 and 2338A

For Ford Models A and AA

Forged and Heat Treated

One end is a crank handle, the other end a rim nut wrench. It is positive in action and will not slip. One tool to carry instead of two; always handy and convenient, and necessary equipment for every mechanic and motorist. Forged from a select grade of high carbon steel, and heat treated throughout. Finished in black enamel.

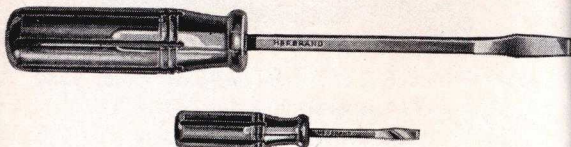
Length $14\frac{7}{8}$ ", Weight 2 lbs., 2 oz.

NO. 2337, Socket opening $1\frac{3}{16}$ " for Ford A. (Ford No. A17036B)

LIST PRICE, each.....\$.70

NO. 2338A, Socket opening $1\frac{1}{8}$ " for Ford AA. (Ford No. AA17036B)

LIST PRICE, each.....\$.95



PROTECTOGRIP SCREW DRIVERS

Insulated Handles

Blades Forged from Chrome Tungsten Tool Steel

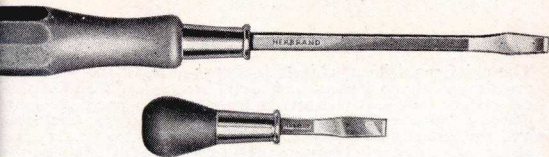
The transparent amber handles of the Protectogrip screw drivers are perfect insulators against electricity and will stand eight thousand volts or more. They are just the right size to fit snugly into the palm of the hand and the special fluted design prevents slipping even in greasy hands.

The blades are forged from Chrome Tungsten Alloy Tool Steel with tips accurately ground to standard gauges, insuring a positive non-slip fit in screw slots. The square stock permits using a wrench when necessary for extra leverage.

The X-ray illustration shows how the shanks of the blades extend far into the handles to prevent any possibility of turning. The blades are heat treated to give maximum service and resiliency providing screw drivers of unusual strength and utility. The Protectogrip is the toughest, strongest screw driver ever offered the automotive trade and will stand surprising abuse and wear.

Blades are double plated in satin nickel with polished points. Available in the full range of popular sizes shown below.

No.	Length of Blade	Size Square Stock	Overall Length	List Price Each
310	2	$\frac{1}{8}$	$4\frac{3}{16}$	\$.50
311	3	$\frac{1}{8}$	$4\frac{3}{16}$	.60
312	3	$\frac{5}{16}$	$6\frac{1}{4}$	.95
313	6	$\frac{3}{16}$	$9\frac{1}{4}$	1.15
314	9	$\frac{3}{16}$	$12\frac{1}{4}$	1.20
315	$1\frac{1}{4}$	$\frac{1}{4}$	$3\frac{1}{2}$	1.10
316	6	$\frac{1}{4}$	10	1.65
317	10	$\frac{1}{4}$	14	1.80
318	$1\frac{1}{4}$	$\frac{5}{16}$	$3\frac{1}{2}$	1.20
319	7	$\frac{5}{16}$	11	1.95
320	12	$\frac{5}{16}$	$16\frac{1}{4}$	2.10
321	6	$\frac{3}{8}$	$10\frac{1}{4}$	2.30
322	12	$\frac{3}{8}$	$18\frac{1}{2}$	2.90
323	16	$\frac{3}{8}$	$22\frac{1}{2}$	3.20



WOOD HANDLED SCREW DRIVERS

Smoothly Turned Handles

Blades Forged from Chrome Tungsten Tool Steel

The long, slender taper blades of Herbrand screw drivers have accurately ground points for the perfect gripping of screw slots. The handles are turned from clear, selected birch with white shellac finish. These screw drivers are the best balanced and strongest wood handled screw drivers on the market. The blades are forged from Chrome Tungsten Alloy Tool Steel and are heat treated to provide utmost strength and resiliency. The square stock of Chrome Tungsten Tool Steel is firmly imbedded in the handle and securely bound in with a heavy steel ferrule.

These sturdy drivers are practically unbreakable and will stand up under the most severe wear and usage.

Available in the popular range of sizes shown in the table below. Blades are plated in satin nickel with the points polished.

No.	Length of Blade	Size Square Stock	Overall Length	List Price Each
330	3	$\frac{3}{16}$	$7\frac{1}{4}$	\$.55
331	6	$\frac{3}{16}$	$10\frac{1}{4}$	.70
332	9	$\frac{3}{16}$	$13\frac{1}{4}$	.80
333	$1\frac{1}{4}$	$\frac{1}{4}$	$3\frac{3}{4}$	.55
334	6	$\frac{1}{4}$	$11\frac{1}{4}$	.90
335	10	$\frac{1}{4}$	$15\frac{1}{4}$	1.05
336	7	$\frac{5}{16}$	$12\frac{1}{2}$	1.15
337	12	$\frac{5}{16}$	$17\frac{1}{2}$	1.30
338	6	$\frac{3}{8}$	$12\frac{1}{4}$	1.20
339	12	$\frac{3}{8}$	$18\frac{1}{4}$	1.35
340	16	$\frac{3}{8}$	$22\frac{1}{4}$	1.40

"VAN-CHROME" CHISELS*Forged from Chrome Tungsten Tool Steel, Nickel Plated*

The chief requisite of chisels is that they resist the severe demands made upon them and defy breakage. "Van-Chrome" chisels are individually hammer forged from strong and tough Chrome Tungsten Alloy Steel made to Herbrand's special formula. Individually heat treated and tempered in perfectly timed electrically controlled furnaces. The cutting edge is bevelled at the correct angle to remain sharp under extreme abuse. They are so finely tempered that they may be redressed with a file yet stand up under the hardest usage.

Herbrand "Van-Chrome" Chisels are designed for perfect balance and have octagon shaped handles for better gripping. Each "Van-Chrome" chisel is branded with the Herbrand mark of distinction which is your guarantee of quality. Nickel finish and rust-proof.

**FLAT CHISELS**

No.	Size Stock	Width of Bit	Length	List Price Each
400	$\frac{5}{16}$	$\frac{5}{16}$	5	\$.50
401	$\frac{3}{8}$	$\frac{3}{8}$	5	.50
402	$\frac{1}{2}$	$\frac{1}{2}$	6	.55
403	$\frac{5}{8}$	$\frac{5}{8}$	6	.65
404	$\frac{3}{4}$	$\frac{3}{4}$	7	.85
405	$\frac{7}{8}$	$\frac{7}{8}$	8	1.25
406	1	1	9	1.60

**CAPE CHISELS**

410	$\frac{5}{16}$	$\frac{7}{32}$	5	\$.50
411	$\frac{3}{8}$	$\frac{5}{16}$	6	.55
412	$\frac{1}{2}$	$\frac{3}{8}$	6	.65

**GOUGE CHISELS**

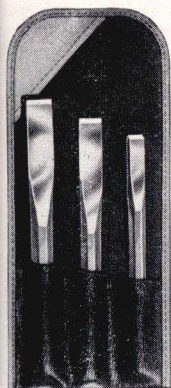
420	$\frac{5}{16}$	$\frac{7}{32}$	5	\$.50
421	$\frac{3}{8}$	$\frac{1}{4}$	6	.55

**DIAMOND POINT CHISELS**

430	$\frac{5}{16}$	$\frac{1}{8}$	5	\$.50
431	$\frac{3}{8}$	$\frac{5}{64}$	6	.55

"VAN-CHROME" CHISEL SETS

Carrying the Strongest Chisels Made



Chisel Set C-3

NO. C-3, "Van-Chrome" Chisel Set.
1 each Nos. 402, 403 and 404 in flannel
lined leatherette roll.

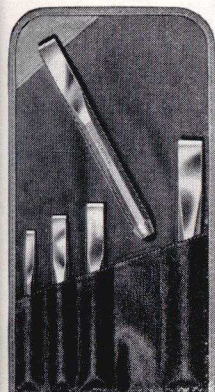
LIST PRICE.....\$2.25

NO. C-5, "Van-Chrome" Chisel Set.
1 each Nos. 402, 403, 404, 405 and 406
in roll.

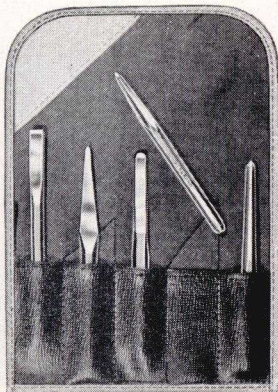
LIST PRICE.....\$5.20

NO. C-6, "Van-Chrome" Assorted
Chisel and Punch Set. 1 each of Chisels
Nos. 401, 410, 420, 430 and No. 471
Center Punch in roll.

LIST PRICE.....\$2.85



Chisel Set C-5



Chisel Set C-6

"VAN-CHROME" PUNCHES*Forged from Chrome Tungsten Tool Steel, Nickel Plated*

Constructed for strenuous driving, piercing and marking purposes, they will retain their points permanently. Herbrand "Van-Chrome" Punches are carefully forged from the toughest Chrome Tungsten Steel and scientifically heat treated for the utmost possible endurance. Nickel plated and rust-resisting.

**PIN PUNCHES**

No.	Size Stock	Diameter of Point	Length	List Price Each
440	$\frac{5}{16}$	$\frac{1}{8}$	$4\frac{1}{2}$	\$.40
441	$\frac{5}{16}$	$\frac{5}{32}$	$4\frac{1}{2}$	.40
442	$\frac{5}{16}$	$\frac{3}{32}$	$4\frac{1}{2}$	.40
443	$\frac{5}{16}$	$\frac{5}{32}$	6	.50
444	$\frac{3}{8}$	$\frac{3}{16}$	$6\frac{1}{2}$	.55
445	$\frac{3}{8}$	$\frac{7}{32}$	$6\frac{7}{8}$	.60
446	$\frac{3}{8}$	$\frac{1}{4}$	7	.65
447	$\frac{1}{2}$	$\frac{5}{16}$	$7\frac{1}{2}$	.75

**SOLID TAPER PUNCHES**

450	$\frac{5}{16}$	$\frac{1}{16}$	$4\frac{1}{2}$	\$.40
451	$\frac{3}{8}$	$\frac{3}{16}$	5	.55
452	$\frac{1}{2}$	$\frac{1}{4}$	6	.75
453	$\frac{5}{8}$	$\frac{5}{16}$	7	.95

**LONG TAPER PUNCHES**

460	$\frac{3}{8}$	$\frac{1}{8}$	8	\$.65
461	$\frac{1}{2}$	$\frac{1}{4}$	9	.90
462	$\frac{5}{8}$	$\frac{5}{32}$	11	1.20

**CENTER PUNCHES**

470	$\frac{5}{16}$	$\frac{1}{8}$	$4\frac{1}{2}$	\$.40
471	$\frac{3}{8}$	$\frac{7}{32}$	5	.55

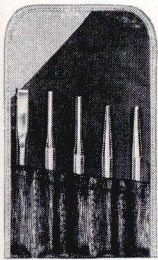


"VAN-CHROME" JIMMY BARS

Forged from Chrome Tungsten Tool Steel, Nickel Plated

Invaluable for prying, alignment work and many other purposes. One end has a long, sharp pointed taper, the other end has a sharp curved leverage blade. They can't break.

No.	Size Stock	Diameter of Point	Length	List Price Each
480	1/2	1/8	12	\$1.20
481	5/8	1/4	16	1.90
482	3/4	5/32	20	2.60

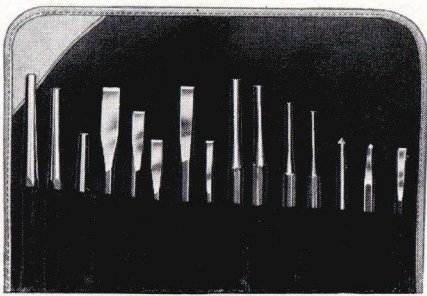


"VAN-CHROME" PUNCH AND CHISEL SETS

Carrying the strongest cutting and piercing tools.

NO. C-10—Punch Set, Vest Pocket Size. An assortment of handy small Punches and Chisel especially useful for electrical work. Comprises 1 each of assorted Punches Nos. 440, 441, 450 and 470 and Chisel No. 400.

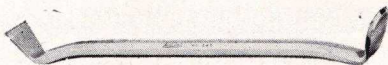
LIST PRICE.....\$2.40



NO. C-15—Super Punch and Chisel Set. A well balanced assortment of the fifteen most popular Punches and Cutting Tools, which equip the mechanic for any job.

LIST PRICE.....\$9.55





"VAN-CHROME" CARBON SCRAPER No. 345

Forged from Chrome Tungsten Tool Steel

Designed to reach and get all of the carbon in every part of any motor head, this popular spoon-type carbon scraper is the most versatile of any produced. It has sharp knife-like edges, one straight, the other oval in design.

Forged from $\frac{5}{16}$ " Chrome Tungsten Steel, with octagon handle for a firm grip. Heat treated and tempered, finished in satin nickel with brightly polished blades.

Length 9", Weight 4 oz.

LIST PRICE, each.....\$1.00



"VAN-CHROME" OFFSET SCREW DRIVERS

Forged from Chrome Tungsten Steel

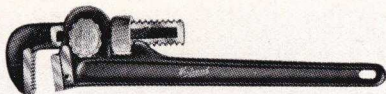
The bits of the "Van-Chrome" double end offset drivers are set at right angles to each other with the exception of No. 352 which has the blades forged at a 45° angle instead of 90° and is an ideal companion for No. 351. The large size No. 355 is especially adapted to drag link adjustments. These screw drivers come in a range of five popular sizes and are sold individually or in a complete set.

Forged from Chrome Tungsten Tool Steel with octagon handles, heat treated throughout, and finished in satin nickel plate with brightly buffed blades.

No.	Size Stock	Length	Weight per Doz.		List Price Each Nickel Finish
			Lbs.	Ozs.	
351	$\frac{1}{4}$	$4\frac{1}{4}$		12	\$.75
352-45°	$\frac{1}{4}$	$4\frac{1}{4}$	2	12	.75
353	$\frac{5}{16}$	$5\frac{1}{2}$	2	4	.80
354	$\frac{3}{8}$	$6\frac{1}{2}$	3		.85
355	$\frac{1}{2}$	$7\frac{1}{2}$	5	4	1.00

SET NO. 350, comprises one each of the above five sizes, in attractive leatherette, flannel lined tool roll. Weight 14 lbs.

LIST PRICE, complete.....\$4.40



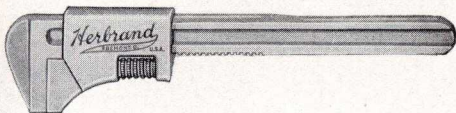
SUPER-STRENGTH PIPE WRENCHES

Drop-Forged Alloy Steel Jaws

The superior design of the Herbrand pipe wrench makes it far more efficient and easy to handle than the conventional Stillson pattern. The non-breakable, open housing with free riding adjusting nut is quickly appreciated by mechanics. The hook-jaw is drop-forged from a high quality alloy tool steel and will grip and hold perfectly under the stiffest pull and will not lock on the pipe.

Herbrand pipe wrenches are heat treated throughout and are finished in baked black enamel with bright polished edges.

Length	Jaw Opening	List Price Each	Length	Jaw Opening	List Price Each
6	1 $\frac{1}{8}$	\$1.15	18	3 $\frac{1}{2}$	\$3.20
8	1 $\frac{5}{8}$	1.30	24	4 $\frac{1}{4}$	4.80
10	2 $\frac{1}{8}$	1.65	36	5 $\frac{1}{2}$	8.50
14	3	2.30			

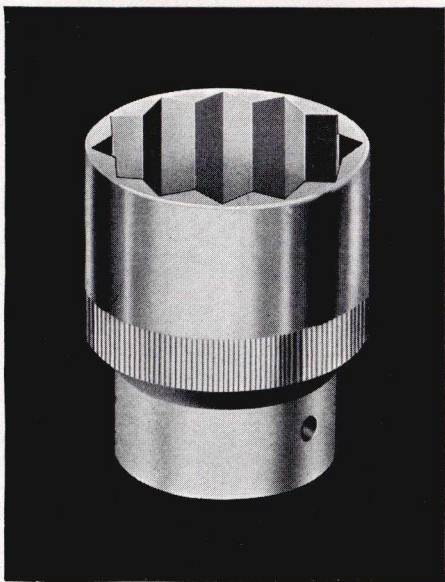


HERBRAND ADJUSTABLE WRENCHES

Drop-Forged in Six Sizes from 5 $\frac{1}{2}$ " to 14"

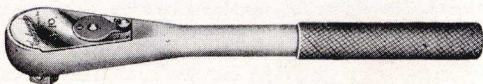
Practical—efficient—simple in design. It serves a wide variety of uses and is especially adaptable for emergency repairs and adjustments. Careful forging, machining and heat treatment contribute to the tool's strength.

No.	Length	Jaw Opening	LIST PRICE EACH		
			Black Enamel	Satin Nickel	Polished Nickel
103	5 $\frac{1}{2}$	1 $\frac{9}{16}$	\$.40	\$.45	\$.60
107	5 $\frac{3}{4}$	1 $\frac{9}{16}$	.45	.50	.65
110	7	1 $\frac{3}{4}$	.50	.55	....
112	9	2 $\frac{1}{4}$	.60	.65	....
113	11	3 $\frac{1}{4}$	.85	.95	....
114	14	3 $\frac{1}{2}$	1.85	2.00	....



THE MODERN HOT FORGED SOCKET

Hot forging insures clean, extra thin, straight side walls and super strength. No chatter marks, no tears, no chips.



THE NEW "VAN-CHROME" RATCHET

Improved Reversible Type

Operates the 28th of a turn in either direction, with practically no lost motion.

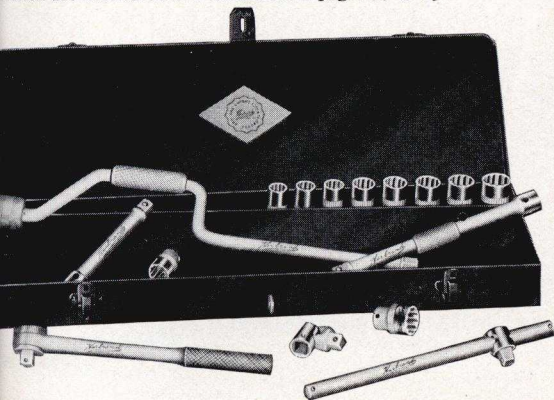
"Van-Chrome" Hot Forged Sockets, Handles and Attachments

Again Herbrand leads with great forward strides in the design and construction of Socket Wrenches. Advanced designs—clean, extra thin, straight side walls—no chatter marks or chips—greater strength—lighter weight—increased utility—and appearance that reflects their unrivaled performance. Only by individual *Hot Forging* from select Chrome Alloy Steel are these features made possible.

The Herbrand *Hot Forging* process eliminates all unnecessary bulk and increases accessibility. Each Socket and Handle Unit is scientifically heat treated in electrically controlled furnaces to insure uniform strength. The height of each socket is graduated in proportion to the size of the opening.

Herbrand employs a positive snap locking feature which firmly holds the socket to the driving ball of the handle unit but which releases readily on a straight pull. "Van-Chrome" Sockets are individually knurled with a non-slip grip and they are attractively finished in double nickel plate with contrasting silvery satin heads and mirror buffed wall bases.

A complete variety of improved, perfectly balanced Handles and Attachments are provided for the three popular drive series which are illustrated and described in pages 55 to 69.



The wide variety of "Van-Chrome" Sockets and Handles enables the mechanic to build up any desired set combinations.



J-112 To J-124



J-312 To J-324



J-212 To J-216



J-10



J-13



J-29



J-23



J-27



J-17



J-33



J-21



J-35



J-36

JUNIOR SERIES— $\frac{3}{8}$ " SQUARE DRIVE

Small—Slender—Straight—Thinwalled—yet mighty in power of performance because extra strength is *Hot Forged* into them. Herbrand advanced features of design provide unequalled advantages of maximum speed and utility. Finished in satin nickel with mirror polished side walls.

12 Point Sockets

Cat. No.	Size Openings	List Each
J-112	$\frac{3}{8}$	\$.40
J-114	$\frac{7}{16}$	.40
J-116	$\frac{1}{2}$	.40
J-118	$\frac{9}{16}$	.40
J-120	$\frac{5}{8}$	.40
J-122	$\frac{11}{16}$	.50
J-124	$\frac{3}{4}$	.50

Flexible 12 Point Sockets

Cat. No.	Size Openings	List Each
J-312	$\frac{3}{8}$	\$2.10
J-314	$\frac{7}{16}$	2.10
J-316	$\frac{1}{2}$	2.10
J-318	$\frac{9}{16}$	2.10
J-320	$\frac{5}{8}$	2.10
J-322	$\frac{11}{16}$	2.10
J-324	$\frac{3}{4}$	2.10

8 Point Sockets

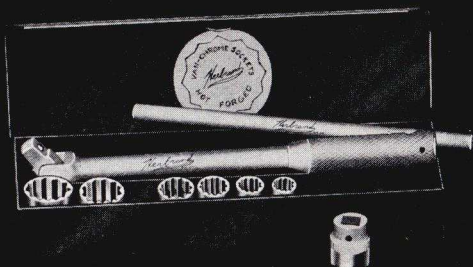
J-212	$\frac{3}{8}$	\$.40
J-214	$\frac{7}{16}$	.40
J-216	$\frac{1}{2}$	.40

The last word in sockets—Turn in a short radius. Swing over to 90° angle—Short and thin—Hot Forged—Straight Side Walls—Weight $1\frac{1}{2}$ oz.

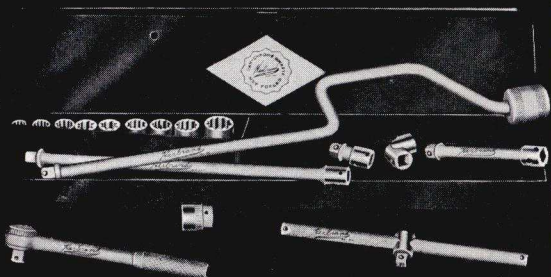
JUNIOR SERIES HANDLES AND ATTACHMENTS

Correctly designed to deliver the utmost speed and ease of handling. All unnecessary weight and clumsiness is eliminated because they are forged from $\frac{3}{8}$ " Chrome Alloy Steel. Finished in contrasting mirror bright and satin nickel plate.

Cat. No.	DESCRIPTION	List Each
J-10	IMPROVED JUNIOR RATCHET HANDLE $6\frac{5}{8}$ " long, instantly reversible to operate the 20th of a turn either right or left. Narrow head and slender handle for greater accessibility.	\$3.20
J-13	FLEXIBLE OFFSET HANDLE, $8\frac{3}{8}$ " long, a flex handle, swivel handle, an offset handle, a T handle and a nut spinner all in one.	2.20
J-17	SPEEDER HANDLE, 17" long, forged solid, designed for extra speed and more clearance	1.50
J-21	SLIDING T HANDLE, 6" long. The forged head slides flush to the ends for use as an offset wrench and a friction ball holds the head firmly at any point on the bar.	1.10
	EXTENSIONS, Heads forged with a square drive opening and cross drilled for use of J-33 bar.	
J-23	EXTENSION, 1" long, forged solid. ....	.50
J-27	EXTENSION, 5" long, forged solid. ....	.70
J-29	EXTENSION, 11" long, forged solid. ....	.90
J-33	T HANDLE BAR, $6\frac{1}{2}$ " long, used to form a T handle with all Herbrand bars and attachments.	.20
J-35	UNIVERSAL JOINT, improved, short coupled, positive locking.	2.00
J-36	SPRING STABILIZER, slides over universal joint for conversion into a flexible knuckle. ....	.15



"VAN-CHROME"
 FLEX SET No. JA-60 $\frac{1}{2}$
 JUNIOR SERIES— $\frac{3}{8}$ " DRIVE



"VAN-CHROME"
 SOCKET SET No. JA-61 $\frac{1}{2}$
 JUNIOR SERIES— $\frac{3}{8}$ " DRIVE

VAN-CHROME HOT FORGED THIN WALL SOCKETS

JUNIOR SERIES SETS—3/8" SQUARE DRIVE

The Herbrand "Van-Chrome" Socket Wrench combinations offer a wide and comprehensive selection of improved *Hot Forged* Sockets and Handle Attachments in the Junior 3/8" Drive Series, the Standard 1/2" Drive Series and the Heavy Duty with 3/4" Drive Service Connections. Complete Socket Wrench Sets may be easily, quickly and inexpensively built to suit individual requirements.

JUNIOR FLEX SET No. JA-60 1/2

This set contains seven *Hot Forged* 12 point sockets with 3/8" drive connections and the popular Junior Flex Handle which is always referred to as the handiest tool in the mechanics kit. The Junior T Handle Bar No. J-33 is also included for use with the Flex Handle which is cross drilled for this purpose.

Contents, total of 9 pieces:—7 "Van-Chrome" 12 point Junior Sockets Nos. J-112 J-114, J-116, J-118, J-120, J-122, J-124, providing a range of opening sizes from 3/8" to 3/4" inclusive. Junior Flexible Handle No. J-13. T Handle Bar No. J-33.

SET No. JA-60, *in fibre box*, weight 1 lb.
LIST PRICE.....\$5.40
SET No. JA-60 1/2, *metal box*, weight 1 lb., 14 oz.
LIST PRICE..... 6.10

JUNIOR SOCKET SET No. JA-61 1/2

A comprehensive set of Junior 3/8" Drive Series Sockets that is ideal for handling all types of light work in confined places. Garages and service stations will find this set indispensable and a big time and labor saver. It also covers a wide range of service in aviation work. Herbrand *Hot Forged* Sockets and Attachments are designed to attack the flat rate problem and lick it in less than flat rate time. There is ample room in the convenient metal box for additional "Van-Chrome" units which may be added as required at a small cost.

Contents, total of 17 pieces:—7 "Van-Chrome" 12 point Junior Sockets Nos. J-112, J-114, J-116, J-118, J-120, J-122, J-124, providing a range of opening sizes from 3/8" to 3/4" inclusive. 3 "Van-Chrome" 8 point Junior Sockets Nos. J-212, J-214, J-216, with openings of 3/8", 7/16", 1/2". Improved Junior Reversible Ratchet No. J-10. 17" Speeder No. J-17. Universal Joint No. J-35. Sliding T Handle No. J-21. 3 Extensions, J-23, 1" long; J-27, 5" long; J-29, 11" long.

SET No. JA-61, *in fibre box*, weight 3 lbs., 6 oz.
LIST PRICE.....\$14.10
SET No. JA-61 1/2, *metal box*, weight 5 lbs., 8 oz.
LIST PRICE..... 15.10





S-112 To S-134



S-316 To S-324



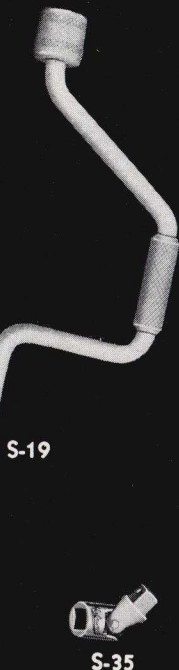
S-212 S-228



S-17



S-10



S-19



S-35



A-390 To A-395



S-37 To S-39



S-36

STANDARD SERIES—1/2" SQUARE DRIVE

All excess weight and clumsiness has been eliminated. Every socket and unit is individually *Hot Forged* from special analysis Chrome Alloy Steel. This means accuracy, greater strength, durability and compactness which adapts them to faster performance. These lifetime sockets and attachments are expertly heat treated through and through. Finished in double satin and contrasting hand polished nickel.

12 Point Sockets

Cat. No.	Size Openings	List Each
S-112	3/8	\$.50
S-114	7/16	.50
S-116	1/2	.50
S-118	9/16	.60
S-119	19/32	.60
S-120	5/8	.65
S-121	21/32	.65
S-122	11/16	.65
S-124	3/4	.75
S-125	25/32	.75
S-126	13/16	.75
S-128	7/8	.85
S-130	15/16	.85
S-131	31/32	.85
S-132	1	.95
S-134	1 1/16	1.00

8 Point Sockets

Cat. No.	Size Openings	List Each
S-212	3/8	\$.50
S-214	7/16	.50
S-216	1/2	.60
S-218	9/16	.60
S-220	5/8	.65
S-224	3/4	.65
S-228	7/8	.70

Flexible 12 Point Sockets

S-316	1/2	\$2.15
S-318	9/16	2.15
S-320	5/8	2.15
S-322	11/16	2.15
S-324	3/4	2.15

STANDARD SERIES HANDLES and ATTACHMENTS

Lighter in weight, more flexible and easier to handle.

Cat. No.	DESCRIPTION	List Each
S-10	IMPROVED STANDARD RATCHET HANDLE, 9 1/2" long. Instantly reversible to operate the 28th of a turn either right or left, designed with narrow head and slender handle for maximum accessibility.....	\$4.20
S-17	SHORT SPEEDER HANDLE, 15" long. Knurled revolving grips.....	1.70
S-19	LONG SPEEDER HANDLE, 18" long. Knurled revolving grips.....	1.90
S-35	UNIVERSAL JOINT. Improved, short coupled.....	2.10
S-36	SPRING STABILIZER.....	.20
S-37	DRAG LINK SOCKET, 3/4" Blade.....	.80
S-39	DRAG LINK SOCKET, 1" Blade.....	.80

See next page for additional Handles and Attachments in the Standard Series.

SOCKET ADAPTORS

These adaptors increase the range of your handles and permit the use of sockets of one series with handles of another series.

A-390—3/8" male, 1/2" female.....	\$.80
A-391—1/2" male, 3/8" female.....	.80
A-392—1/2" male, 5/8" female.....	.80
A-393—1/2" male, 3/4" female.....	1.10
A-394—3/4" male, 1/2" female.....	1.10
A-395—3/4" male, 5/8" female.....	1.20



S-21



S-13



S-15



S-33



S-29



S-25



S-27



S-31

VAN-CHROME HOT FORGED THIN WALL SOCKETS

STANDARD SERIES HANDLES and ATTACHMENTS

{Continued}

Cat. No.	DESCRIPTION	List Each
S-13	FLEXIBLE OFFSET HANDLE, 12" long. A Flex handle, a swivel handle, an offset handle, a T handle and a nut spinner all in one. Perfectly balanced with a compact swivel joint on a comfortable grip, knurled handle. A friction ball holds the drive tip firmly at any angle. The handle is cross drilled to insert T bar S-33 when needed and it has a square drive hole for use with other attachments.....	\$2.50
S-15	FLEXIBLE OFFSET HANDLE, 18" long. Square drive hole in handle, drilled for T handle bar S-33.....	3.00
S-21	SLIDING T HANDLE, 11" long. The forged head slides flush to the ends for use as an offset wrench and a friction ball holds the head firmly at any point on the bar.....	1.30
	EXTENSIONS. Heads forged with a square drive opening, equipped with retaining holes for positive locking, all extension bars are cross drilled in the head so that a plain bar may be used as a T handle. The drive end is equipped with lockon ball and spring.	
S-25	EXTENSION, 2" long, forged solid.....	.60
S-27	EXTENSION, 5" long, forged solid.....	.80
S-29	EXTENSION, 10" long, with swivel grip.....	1.10
S-31	EXTENSION, 18" long, forged solid.....	1.40
S-33	T HANDLE BAR, 11" long, used to form T handle with all attachments, which are cross drilled for this purpose.....	.25

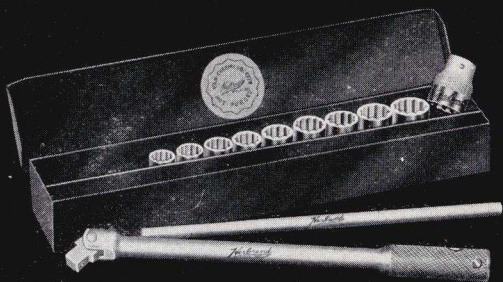
"Van-Chrome" Sockets and Handles win the immediate preference of mechanics everywhere because of their advanced features of design and quality. They are what the modern day mechanics need and want because they save time, labor and money on every job.

Herbrands *Hot Forging* eliminates all unnecessary bulk and the extra thin, straight side walls banish clearance problems, increase accessibility, and reach where tapered sockets can't go. Wherever possible "Van-Chrome" Thinwall Sockets are machined down to a narrow offset shoulder on the drive end which further reduces weight, bulk and clumsiness. The height of each socket is graduated to balance the size of the openings according to a definite engineering formula. These important features of advanced design *decrease* the weight at least 30% from the conventional type in many of the sizes most frequently used, but increase utility and maintain maximum strength insuring greater speed, more accessibility and ease of handling.

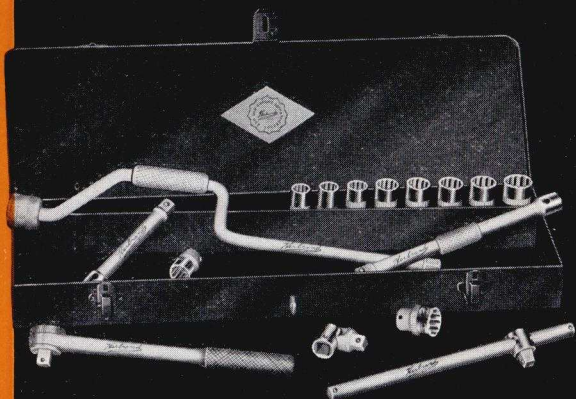
Compare the NEW Herbrand *Hot Forged* Sockets with the ordinary cold broached type. Immediately you will see the clean cut, accurate side walls and points; no chatter marks, no tears and no chips.

The "Van-Chrome" Trade Mark is Your Guarantee

Herbrand



"VAN-CHROME"
FLEX SET No. SA-71 $\frac{1}{2}$
STANDARD SERIES— $\frac{1}{2}$ " DRIVE



"VAN-CHROME"
SOCKET SET No. SA-72 $\frac{1}{2}$
STANDARD SERIES— $\frac{1}{2}$ " DRIVE

STANDARD SOCKET ASSORTMENT— No. SA-70

A practical assortment of 16 popular extra thin "Van-Chrome" Sockets with 12 point openings. Produced by Herbrands special *Hot Forging* process, they have full depth openings, straight side walls, free from chatter marks and tears and are built to precision standards. They are lighter weight, extra strong, knurled, equipped with lockon feature, finished in satin nickel plate with mirror polished side walls.

Content:—16 "Van-Chrome" 12 point Standard Sockets, $\frac{1}{2}$ " Drive, Nos. S-112 to S-134, providing a range of opening sizes from $\frac{3}{8}$ " to $1\frac{1}{16}$ " inclusive.

SET No. SA-70, *in fibre box*, weight 2 lbs., 5 oz.

LIST PRICE.....\$11.40

STANDARD FLEX SET No. SA-71 $\frac{1}{2}$

This utility set carries the Flexible Offset Handle and T Bar, combined with ten carefully selected "Van-Chrome" Socket sizes, which provide a broad range of service with a minimum number of units. The flexible head of the Offset Handle has a friction spring radius regulator in the swivel end and a $\frac{1}{2}$ " square drive hold in the handle end for use with a variety of other attachments. The Flex Handle is cross drilled to insert the slide bar, included in this assortment, for use as a T handle.

Contents, total of 12 pieces:—10 "Van-Chrome" 12 point Sockets Nos. S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{21}{32}$ "; S-122, $\frac{11}{16}$ "; S-124, $\frac{3}{4}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ "; S-130, $\frac{15}{16}$ ". Flexible Offset Handle No. S-13. T Handle Bar No. S-33.

SET No. SA-71, *in fibre box*, weight 2 lbs., 12 oz.

LIST PRICE.....\$ 9.50

SET No. SA-71 $\frac{1}{2}$, *in metal box*, weight 4 lbs., 4 oz.

LIST PRICE..... 10.30

STANDARD SOCKET SET No. SA-72 $\frac{1}{2}$

Here is a comprehensive assortment that comprises 10 of the most popular sizes of *Hot Forged* Sockets and 6 light weight Handle Units of the latest improved design. This set meets the needs of most mechanics and there is ample room provided in the attractive and substantial metal tool box for additional "Van-Chrome" Sockets and Handles which may be selected from the broad Herbrand Line. The box has a convenient carrying handle and is fitted with lock and nickel clasps.

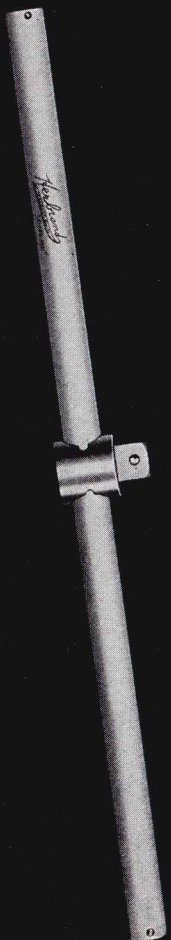
Contents, total of 16 pieces:—10 "Van-Chrome" 12 point Sockets. Nos. S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{21}{32}$ "; S-122, $\frac{11}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{25}{32}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ ". Reversible Action Ratchet, S-10. Short Speed Handle, S-17. Sliding T Handle, S-21. Extension, 5" long, S-27. Extension, 10" long, revolving grip, S-29. Universal Joint, S-35.

SET No. SA-72, *in fibre box*, weight 2 lbs., 12 oz.

LIST PRICE.....\$17.85

SET No. SA-72 $\frac{1}{2}$, *metal box*, weight 4 lbs., 4 oz.

LIST PRICE..... 19.55



H-21



H-31



H-29

VAN-CHROME HOT FORGED THIN WALL SOCKETS

HEAVY DUTY SERIES— $\frac{3}{4}$ " SQUARE DRIVE

Carefully engineered and designed to perform the most strenuous work on large diameter nuts where extra strength is vitally important. *Hot Forged* and finished in satin nickel with polished walls.

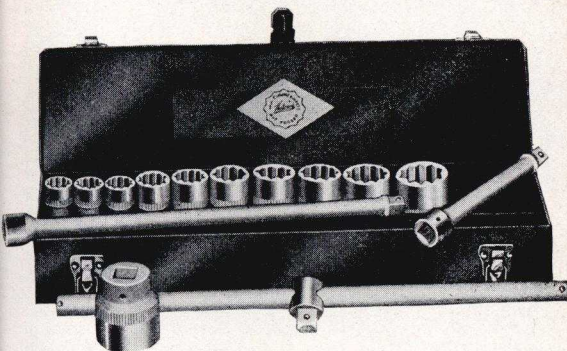
12 Point Sockets

Cat. No.	Size Openings	List Each	Cat. No.	Size Openings	List Each
H-128	$\frac{7}{8}$	\$.90	H-144	$1\frac{3}{8}$	\$1.65
H-130	$\frac{15}{16}$	.95	H-146	$1\frac{7}{16}$	1.85
H-131	$\frac{31}{32}$	.95	H-148	$1\frac{1}{2}$	2.00
H-132	1	.95	H-152	$1\frac{5}{8}$	2.10
H-134	$1\frac{1}{16}$	1.10	H-156	$1\frac{3}{4}$	2.90
H-136	$1\frac{1}{8}$	1.20	H-158	$1\frac{13}{16}$	3.30
H-140	$1\frac{1}{4}$	1.40	H-160	$1\frac{7}{8}$	4.00
H-142	$1\frac{5}{16}$	1.40	H-164	2	4.50

HEAVY DUTY HANDLES AND ATTACHMENTS

Cat. No.	DESCRIPTION	List Each
H-21	SLIDING T HANDLE, 18" long.....	\$2.90
H-29	EXTENSION, 8" long, one piece construction.	1.80
H-31	EXTENSION, 16" long, one piece construction.	2.30

HEAVY DUTY SOCKET SET No. HA-80 $\frac{1}{2}$

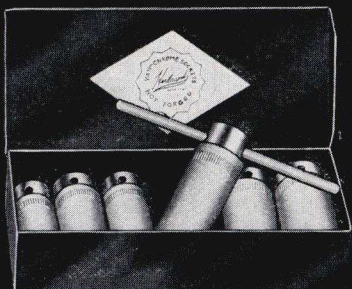


Every thoroughly equipped mechanic needs a complete set of "Van-Chrome" Heavy Duty Sockets.

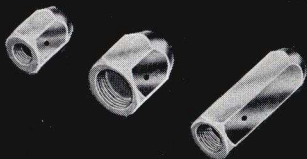
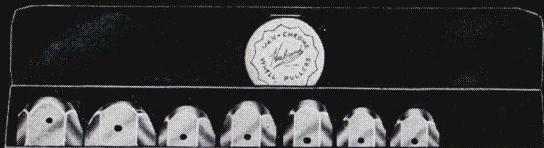
Contents, total of 14 pieces:—11 "Van-Chrome" Heavy Duty Sockets Nos. H-128, $\frac{7}{8}$ "; H-130, $\frac{15}{16}$ "; H-131, $\frac{31}{32}$ "; H-132, 1"; H-134, $1\frac{1}{16}$ "; H-136, $1\frac{1}{8}$ "; H-140, $1\frac{1}{4}$ "; H-144, $1\frac{3}{8}$ "; H-146, $1\frac{7}{16}$ "; H-148, $1\frac{1}{2}$ "; H-152, $1\frac{5}{8}$ ". Sliding T Handle No. H-21. Extension, 8" long, No. H-29. Extension, 16" long, No. H-31.

SET No. HA-80, *in fibre box*, weight 17 lbs. LIST PRICE. \$22.05

SET No. HA-80 $\frac{1}{2}$, *metal box*, weight 23 lbs. LIST PRICE \$23.85



"VAN-CHROME"
UNIVERSAL SPARK PLUG SET No. DS-7½
EXTRA DEEP—½" DRIVE



"VAN-CHROME"
WHEEL PULLER SET No. KO-10
CHROME-ALLOY TOOL STEEL

VAN-CHROME HOT FORGED THIN WALL SOCKETS

"VAN-CHROME" EXTRA DEEP SOCKET and SPARK PLUG WRENCHES

Designed with $\frac{1}{2}$ " square drive opening for the use of any standard handle units. Cross drilled in the offset shoulder so that a sliding T bar may be used. *Hot Forged* and heat treated; exceptionally thin side walls. Knurled and finished in satin nickel with buffed heads.

Cat. No.	Openings	Length	List Each	Cat. No.	Openings	Length	List Each
DS-16	$\frac{1}{2}$	3	\$ 1.05	DS-28	$\frac{7}{8}$	$3\frac{1}{4}$	\$ 1.30
DS-18	$\frac{9}{16}$	3	1.05	†DS-28B	$\frac{57}{64}$	$3\frac{1}{4}$	1.30
DS-20	$\frac{5}{8}$	3	1.10	DS-30	$\frac{15}{16}$	$3\frac{1}{4}$	1.40
DS-24	$\frac{3}{4}$	3	1.10	†DS-32	1	$3\frac{1}{4}$	1.50
*DS-26	$\frac{13}{16}$	$2\frac{1}{2}$	1.20	DS-36	$1\frac{1}{8}$	$3\frac{1}{4}$	1.70

*Fits 14 M.M. Plug †Extra Thin for Buick ‡Fits 18 M.M.

UNIVERSAL SPARK PLUG SET No. DS-7 $\frac{1}{2}$

Recessed spark plugs on modern motors make these Extra Deep Sockets an absolute necessity. A 7" slide bar is supplied with this set for use as a T handle.

Contents, total of 7 pieces:—6 Extra Deep "Van-Chrome" Spark Plug Wrenches Nos. DS-26, $\frac{13}{16}$ " ; DS-28, $\frac{7}{8}$ " ; DS-28B, $\frac{57}{64}$ " ; DS-30, $\frac{15}{16}$ " ; DS-32, 1" ; DS-36, $1\frac{1}{8}$ " ; DSH-6 Handle.

SET No. DS-7, *in fibre box*, weight 3 lbs. LIST PRICE.....\$8.40

SET No. DS-7 $\frac{1}{2}$, *metal box*, weight 4 lbs. LIST PRICE...\$9.10

"VAN-CHROME" KNOCK-OUT WHEEL PULLERS

There has long been a waiting demand for a Knock-Out Wheel Puller of *real quality* at a *moderate price*. "Van-Chrome" Knock-Outs are dependable because they are accurately machined from tough Chrome Alloy Steel and heat treated for strength and shock resistance. The heads will not mushroom or split. Finished in satin nickel with polished heads.

Catalog No.	Size Opening	Thds. to Inch	Height	List Each
KO-20	$\frac{5}{8}$	18 SAE	$1\frac{5}{8}$	\$.90
KO-24	$\frac{3}{4}$	16 SAE	$1\frac{3}{4}$	1.00
*KO-24T	$\frac{3}{4}$	20 USF	2	1.00
†KO-26	$\frac{13}{16}$	16 SAE	$3\frac{1}{2}$	1.10
KO-28	$\frac{7}{8}$	14 SAE	$1\frac{3}{4}$	1.10
§KO-28H	$\frac{7}{8}$	18 USF	$1\frac{3}{4}$	1.10
KO-32	1	14 SAE	$1\frac{3}{4}$	1.20
KO-36	$1\frac{1}{8}$	12 SAE	$1\frac{3}{4}$	1.50
KO-40	$1\frac{1}{4}$	7 USS	$1\frac{3}{4}$	1.90
KO-40T	$1\frac{1}{4}$	12 SAE	$1\frac{3}{4}$	1.90

*Terraplane

†Chevrolet

§Hudson Essex

"VAN-CHROME" WHEEL PULLER SET No. KO-10

This set carries the popular sizes to service practically all makes of cars and light trucks.

Contents: 10 "Van-Chrome" Knock-Outs listed in above table.

SET No. KO-10, *metal box*, weight 7 $\frac{1}{2}$ lbs. LIST PRICE\$13.40

HERBRAND SOLID OPEN END WRENCHES

Improved Design

Drop-Forged from Special High Carbon Tool Steel



- 1—Especially built for manufacturers of industrial machinery for standard equipment purposes.
- 2—Latest improvements in construction and design.
- 3—Narrow pointed jaws and increased length provide maximum clearance and leverage.
- 4—Drop-forged from a select quality of high carbon tool steel.
- 5—Heat treated their entire length providing the utmost possible endurance—strong, tough, dependable.
- 6—Ground smoothly all over and openings milled to unvarying accuracy.
- 7—Finished in Baked Black Enamel—durable and rust-resisting.
- 8—Herbrand quality covered by the Herbrand guarantee. They will not spread or break.
- 9—Prompt deliveries on all popular patterns and sizes.
- 10—For more than 50 years Herbrand quality and refinements in design have paralleled the requirements of the industry. Among the Herbrand wrench users are many of the nation's largest and most prominent manufacturers.

FINISH SPECIFICATIONS

UNFINISHED *wrenches are milled, smoothed, heat treated and finished in baked black enamel.*

FINISHED *wrenches are milled, surface and edges smoothed, heat treated and opening sizes stamped on the heads. Black enamel body with heads ground bright and lacquered.*

SPECIAL *wrenches made to order, drop-forged and machined to your own specifications.*

HERBRAND CARBON OPEN END WRENCHES



ENGINEERS' AND CAP SCREW WRENCHES

Drop-Forged, 15° Angle, Single Head

Wr. No.	Open- ing Milled	For U.S. Std. Nuts	For Hex Head Cap Screws	For S.A.E. Std. Nut and Cap Screws	L'gth	Thick- ness Head	LIST PRICE	
							Unfin- ished	Fin- ished
00	5/16	1/8	1/8	...	3 1/2	5/32	\$.22	\$.28
700	3/8	...	3/16	...	4	3/16	.24	.30
0	13/32	3/16	...	...	4	3/16	.24	.30
701	7/16	...	1/4	1/4	4 5/8	7/32	.29	.36
1	1 1/2	1/4	5/16	5/16	4 5/8	7/32	.29	.36
702	9/16	...	3/8	3/8	5 1/4	1/4	.35	.44
2	19/32	5/16	...	...	5 1/4	1/4	.35	.44
703	5/8	...	7/16	7/16	6	9/32	.42	.52
3	11/16	3/8	...	...	6	29/32	.42	.52
704	3/4	...	1/2	1/2	6 7/8	5/16	.52	.64
4	25/32	7/16	...	...	6 7/8	5/16	.52	.64
705	13/16	...	9/16	...	7 7/8	3/8	.62	.76
5	7/8	1/2	5/8	9/16	7 7/8	3/8	.62	.76
6	31/32	9/16	3/4	11/16	9	7/16	.76	.92
706	1	...	3/4	...	9	7/16	.76	.92
7	1 1/16	5/8	...	3/4	10 1/4	1/2	.96	1.14
707	1 1/8	...	7/8	...	10 1/4	1/2	.96	1.14
8	1 1/4	3/4	1	7/8	11 1/2	9/16	1.28	1.50
708A	1 3/8	...	1 1/8	...	11 1/2	9/16	1.28	1.50
9	1 7/16	7/8	...	1	13 1/4	21/32	2.00	2.30
709	1 1/2	...	1 1/4	...	13 1/4	21/32	2.00	2.30
10	1 5/8	1	1 3/8	1 1/8	15	3/4	2.80	3.20
11	1 13/16	1 1/8	...	1 1/4	16 3/4	2 3/32	3.80	4.20
12	2	1 1/4	...	1 3/8	18 1/2	15/16	5.20	5.70
13	2 3/16	1 3/8	...	1 1/2	20 1/4	1 1/32	6.70	7.30
14	2 3/8	1 1/2	...	...	22 1/4	1 1/8	8.25	9.20
15	2 5/16	1 5/8	...	...	24 5/8	1 7/32	10.00	11.20
16	2 3/4	1 3/4	...	...	27	1 5/16	11.90	13.40
16A	2 15/16	1 7/8	...	...	27	1 5/16	11.90	13.40
17	3 1/8	2	...	...	30	1 5/16	18.70	20.50
18	3 1/2	2 1/4	...	...	33	1 17/32	27.50	29.50
19	3 7/8	2 1/2	...	...	39	1 5/8	39.75	42.00
19A	4 1/4	2 3/4	...	...	39	1 5/8	39.75	42.00
20	4 5/8	3	...	...	42	1 7/8	58.50	62.00
20A	5	3 1/4	...	...	42	1 7/8	58.50	62.00
21A	5 3/8	3 1/2	...	...	47	2 1/2	97.00	104.00
21B	5 3/4	3 3/4	...	...	47	2 1/2	97.00	104.00
21C	6 1/8	4	...	...	47	2 1/2	97.00	104.00
22A	6 7/8	4 1/2	...	...	52	3	192.00	204.00
22B	7 5/8	5	...	...	52	3	192.00	204.00

Unless otherwise specified Finished Wrenches will be supplied.





ENGINEERS' AND CAP SCREW WRENCHES

Drop-Forged, 15° Angle, Double Head

Wr. No.	Openings Milled	For U.S. Std. Nuts	For Hex Hd. Cap Screws	For S.A.E. Std. Nut and Cap Screws	L'gth	LIST PRICE	
						Unfin- ished	Fin- ished
721	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{1}{8}$	$\frac{1}{8}$ & $\frac{3}{16}$	.....	4	\$.28	\$.34
21	$\frac{5}{16}$ & $\frac{13}{32}$	$\frac{1}{8}$ & $\frac{3}{16}$	$\frac{1}{8}$	.....	4	.28	.34
722	$\frac{5}{16}$ & $\frac{7}{16}$	$\frac{1}{8}$	$\frac{1}{8}$ & $\frac{1}{4}$	$\frac{1}{4}$	$4\frac{7}{8}$	.34	.42
22	$\frac{5}{16}$ & $\frac{1}{2}$	$\frac{1}{8}$ & $\frac{1}{4}$	$\frac{1}{8}$ & $\frac{5}{16}$	$\frac{5}{16}$	$4\frac{7}{8}$	.34	.42
723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{4}$	$4\frac{7}{8}$	.34	.42
723A	$\frac{3}{8}$ & $\frac{1}{2}$	.....	$\frac{3}{16}$ & $\frac{5}{16}$	$\frac{5}{16}$	$4\frac{7}{8}$	.34	.42
23	$\frac{13}{32}$ & $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$	$4\frac{7}{8}$	.34	.42
724	$\frac{3}{8}$ & $\frac{9}{16}$	.....	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{8}$	$5\frac{3}{4}$	.40	.50
24	$\frac{13}{32}$ & $\frac{19}{32}$	$\frac{3}{16}$ & $\frac{5}{16}$	.....	$\frac{5}{16}$	$5\frac{3}{4}$	.40	.50
725	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{1}{4}$ & $\frac{5}{16}$	$5\frac{3}{4}$	.40	.50
725A	$\frac{7}{16}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{1}{4}$ & $\frac{3}{8}$	$5\frac{3}{4}$	.40	.50
725B	$\frac{1}{2}$ & $\frac{9}{16}$	.....	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	$5\frac{3}{4}$	.40	.50
25	$\frac{1}{2}$ & $\frac{19}{32}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{5}{16}$	$\frac{5}{16}$	$5\frac{3}{4}$	.40	.50
726	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{7}{16}$	$\frac{5}{16}$ & $\frac{7}{16}$	$6\frac{5}{8}$	.50	.62
26	$\frac{1}{2}$ & $\frac{11}{16}$	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{5}{16}$	$\frac{5}{16}$	$6\frac{5}{8}$	.50	.62
727	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	$6\frac{5}{8}$	.50	.62
27C	$\frac{9}{16}$ & $\frac{11}{16}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$6\frac{5}{8}$	.50	.62
27	$\frac{19}{32}$ & $\frac{11}{16}$	$\frac{5}{16}$ & $\frac{3}{8}$	.....	$\frac{5}{16}$	$6\frac{5}{8}$	.50	.62
728	$\frac{9}{16}$ & $\frac{3}{4}$	.....	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{3}{8}$ & $\frac{1}{2}$	$7\frac{3}{4}$	.60	.74
28	$\frac{19}{32}$ & $\frac{25}{32}$	$\frac{5}{16}$ & $\frac{7}{16}$	.....	$\frac{5}{16}$	$7\frac{3}{4}$	.60	.74
729	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{7}{16}$ & $\frac{1}{2}$	$7\frac{3}{4}$	.60	.74
28S	$\frac{5}{8}$ & $\frac{25}{32}$	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{7}{16}$	$7\frac{3}{4}$	.60	.74
29	$\frac{11}{16}$ & $\frac{25}{32}$	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{8}$	$7\frac{3}{4}$	.60	.74
730	$\frac{5}{8}$ & $\frac{13}{16}$	.....	$\frac{7}{16}$ & $\frac{9}{16}$	$\frac{7}{16}$	$8\frac{5}{8}$	.74	.90
730A	$\frac{5}{8}$ & $\frac{7}{8}$	$\frac{1}{2}$	$\frac{7}{16}$ & $\frac{5}{8}$	$\frac{7}{16}$ & $\frac{9}{16}$	$8\frac{5}{8}$	.74	.90
30	$\frac{11}{16}$ & $\frac{7}{8}$	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{5}{8}$	$\frac{9}{16}$	$8\frac{5}{8}$	.74	.90
731	$\frac{3}{4}$ & $\frac{13}{16}$	.....	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$	$8\frac{5}{8}$	.74	.90
731A	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{9}{16}$	$8\frac{5}{8}$	.74	.90
31	$\frac{25}{32}$ & $\frac{7}{8}$	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{5}{8}$	$\frac{9}{16}$	$8\frac{5}{8}$	.74	.90
731B	$\frac{13}{16}$ & $\frac{7}{8}$	$\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{9}{16}$	$8\frac{5}{8}$	.74	.90
32	$\frac{25}{32}$ & $\frac{31}{32}$	$\frac{7}{16}$ & $\frac{9}{16}$	.....	$\frac{9}{16}$	$9\frac{5}{8}$	.90	1.10
732	$\frac{13}{16}$ & 1	.....	$\frac{9}{16}$ & $\frac{3}{4}$	$\frac{11}{16}$	$9\frac{5}{8}$	.90	1.10
33A	$\frac{7}{8}$ & $\frac{15}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{9}{16}$ & $\frac{5}{8}$	$9\frac{5}{8}$	.90	1.10
33	$\frac{7}{8}$ & $\frac{31}{32}$	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{5}{8}$	$\frac{9}{16}$	$9\frac{5}{8}$	.90	1.10
733	$\frac{7}{8}$ & 1	$\frac{1}{2}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{9}{16}$ & $\frac{11}{16}$	$9\frac{5}{8}$	.90	1.10
33C	$\frac{15}{16}$ & 1	.....	$\frac{3}{4}$	$\frac{5}{8}$ & $\frac{11}{16}$	$9\frac{5}{8}$	.90	1.10
34	$\frac{7}{8}$ & $\frac{11}{16}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{5}{8}$	$\frac{9}{16}$ & $\frac{3}{4}$	$10\frac{3}{4}$	1.12	1.36
734	$\frac{7}{8}$ & $\frac{11}{8}$	$\frac{1}{2}$	$\frac{5}{8}$ & $\frac{7}{8}$	$\frac{9}{16}$	$10\frac{3}{4}$	1.12	1.36
34A	$\frac{15}{16}$ & $\frac{11}{16}$	$\frac{5}{8}$	.....	$\frac{5}{8}$ & $\frac{3}{4}$	$10\frac{3}{4}$	1.12	1.36

"Van-Chrome" open end wrenches forged from Chrome Vanadium Steel in all the popular opening sizes, are described on pages 14 and 15.

HERBRAND CARBON OPEN END WRENCHES



ENGINEERS' AND CAP SCREW WRENCHES

Drop-Forged, 15° Angle, Double Head

Wr. No.	Openings Milled	For U.S. Std. Nuts	For Hex Hd. Cap Screws	For S.A.E. Std. Nut and Cap Screws	L'gth	LIST PRICE	
						Unfin- ished	Fin- ished
35	$3\frac{1}{32}$ & $1\frac{1}{16}$	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{4}$	$10\frac{3}{4}$	\$ 1.12	\$ 1.36
735	1 & $1\frac{1}{8}$	.....	$\frac{3}{4}$ & $\frac{7}{8}$	$1\frac{1}{16}$	$10\frac{3}{4}$	1.12	1.36
36	$3\frac{1}{32}$ & $1\frac{1}{4}$	$\frac{9}{16}$ & $\frac{3}{4}$	.....	$\frac{7}{8}$	$12\frac{3}{8}$	1.62	1.92
736	1 & $1\frac{1}{4}$	$\frac{3}{4}$ & $\frac{3}{4}$	$\frac{3}{4}$ & 1	$1\frac{1}{16}$ & $\frac{7}{8}$	$12\frac{3}{8}$	1.62	1.92
37	$1\frac{1}{16}$ & $1\frac{1}{4}$	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{3}{4}$ & $\frac{7}{8}$	$12\frac{3}{8}$	1.62	1.92
737	$1\frac{1}{8}$ & $1\frac{1}{4}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{7}{8}$ & 1	$\frac{3}{4}$ & $\frac{7}{8}$	$12\frac{3}{8}$	1.62	1.92
38	$1\frac{1}{16}$ & $1\frac{1}{8}$	$\frac{5}{8}$ & $\frac{7}{8}$	.....	$\frac{3}{4}$ & 1	$14\frac{3}{8}$	2.40	2.80
738	$1\frac{1}{8}$ & $1\frac{3}{8}$	.....	$\frac{7}{8}$ & $1\frac{1}{8}$	.....	$14\frac{3}{8}$	2.40	2.80
739	$1\frac{1}{4}$ & $1\frac{3}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	1 & $1\frac{1}{8}$	$\frac{7}{8}$	$14\frac{3}{8}$	2.40	2.80
39	$1\frac{1}{4}$ & $1\frac{1}{2}$	$\frac{3}{4}$ & 1	.....	$\frac{7}{8}$ & 1	$14\frac{3}{8}$	2.40	2.80
739A	$1\frac{1}{4}$ & $1\frac{1}{2}$	$\frac{3}{4}$	1 & $1\frac{1}{4}$	$\frac{7}{8}$	$14\frac{3}{8}$	2.40	2.80
739B	$1\frac{1}{4}$ & $1\frac{1}{2}$	.....	$1\frac{1}{8}$ & $1\frac{1}{4}$	.....	$14\frac{3}{8}$	2.40	2.80
41	$1\frac{1}{4}$ & $1\frac{5}{8}$	$\frac{3}{4}$ & 1	1 & $1\frac{3}{8}$	$\frac{7}{8}$ & $1\frac{1}{8}$	$15\frac{1}{2}$	3.30	3.80
42	$1\frac{1}{4}$ & $1\frac{5}{8}$	$\frac{7}{8}$ & 1	.....	1 & $1\frac{1}{8}$	$15\frac{1}{2}$	3.30	3.80
43	$1\frac{1}{4}$ & $1\frac{5}{8}$	$\frac{7}{8}$ & $1\frac{1}{8}$	.....	1 & $1\frac{1}{4}$	17	4.60	5.30
44	$1\frac{1}{4}$ & $1\frac{5}{8}$	1 & $1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{8}$ & $1\frac{1}{4}$	17	4.60	5.30
45	$1\frac{1}{4}$ & $1\frac{5}{8}$	1 & $1\frac{1}{4}$	.....	$1\frac{1}{8}$ & $1\frac{3}{8}$	19	6.25	7.20
46	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{8}$ & $1\frac{1}{4}$	.....	$1\frac{1}{4}$ & $1\frac{3}{8}$	19	6.25	7.20
47	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{8}$ & $1\frac{3}{8}$	.....	$1\frac{1}{4}$ & $1\frac{1}{2}$	21	9.30	10.50
48	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{8}$ & $1\frac{3}{8}$	.....	$1\frac{3}{8}$ & $1\frac{1}{2}$	21	9.30	10.50
49	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	$22\frac{1}{2}$	12.50	14.00
50	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	$22\frac{1}{2}$	12.50	14.00
51	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	25	16.25	18.00
52	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	25	18.00	19.80
53	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	27	20.00	22.00
54	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	27	22.00	24.00
55	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	31	26.25	28.50
55A	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	32	28.75	31.00
56	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	33	28.75	31.00
57	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	34	37.50	40.00
57A	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	36	44.25	47.00
58	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	37	53.00	56.00
59	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	38	59.00	62.00
60	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	39	59.00	62.00
61	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	40	71.00	75.00
62	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	42	89.00	94.00
63	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	44	89.00	94.00
64	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	46	126.00	135.00
	$1\frac{1}{4}$ & $1\frac{5}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.....	.....	48	146.00	155.00

Special openings milled to order.

For description of finishes see page 70.



CHECK NUT, OR "THIN" WRENCHES

Drop-Forged, 15° Angle, Single Head

Designed for servicing check, jam or lock nuts, and adjusting screws where thin heads are required. These thin, light check nut wrenches reach nuts and bolts not accessible to the heavier type wrench. This wrench is amply strong for its intended purpose, but is not designed for heavy duty work. Drop-forged from a select quality of high carbon steel and accurately milled, and heat-treated, with Herbrand quality throughout.

Wr. No.	Open- ing Milled	For U.S. Std. Nuts	For Hex. Hd. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	L'gth	Thick- ness Heads	LIST PRICE	
							Unfin- ished	Fin- ished
600	$\frac{7}{16}$	..	$\frac{1}{4}$	$\frac{1}{4}$	$4\frac{5}{8}$	$\frac{5}{32}$	\$.30	\$.36
601	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$	$4\frac{5}{8}$	$\frac{5}{32}$	.30	.36
602	$1\frac{9}{32}$	$\frac{5}{16}$	..	..	$5\frac{1}{4}$	$1\frac{11}{64}$	.37	.44
603	$1\frac{11}{16}$	$\frac{3}{8}$	..	..	6	$\frac{3}{16}$	.44	.52
604	$2\frac{25}{32}$	$\frac{7}{16}$	..	..	$6\frac{7}{8}$	$\frac{7}{32}$	.55	.64
605	$2\frac{7}{8}$	$1\frac{1}{2}$	$\frac{5}{8}$	$\frac{9}{16}$	$7\frac{3}{4}$	$\frac{1}{4}$	.66	.76
606	$3\frac{1}{32}$	$\frac{9}{16}$	..	..	$8\frac{7}{8}$	$\frac{9}{32}$	.78	.90
607	$1\frac{1}{16}$	$\frac{5}{8}$	..	$\frac{3}{4}$	$10\frac{1}{8}$	$\frac{5}{16}$	.94	1.08
608	$1\frac{1}{4}$	$\frac{3}{4}$	1	$\frac{7}{8}$	$11\frac{1}{2}$	$\frac{3}{8}$	1.20	1.36
609	$1\frac{7}{16}$	$\frac{7}{8}$	..	1	$13\frac{1}{4}$	$\frac{7}{16}$	1.66	1.84
610	$1\frac{5}{8}$	1	$1\frac{3}{8}$	$1\frac{1}{8}$	15	$\frac{1}{2}$	2.40	2.60

In stock, also, with openings for Whitworth Standard and Metric Measure. Special openings to order, without extra charge, in lots of 100 or more of any size.



HERB SAYS: *Herbrand Solid Open End Wrenches are built to a new improved design for easier accessibility and more leverage. They are drop-forged from select high carbon steel and heat treated throughout for dependability under all working conditions.*

HERBRAND CARBON OPEN END WRENCHES



CHECK NUT, OR "THIN" WRENCHES

Drop-Forged, 15° Angle, Double End

Wr. No.	Openings Milled	For U.S. Std. Nuts	For Hex. Hd. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	L'gth	Thick ness Heads	LIST PRICE	
							Unfin-ished	Fin-ished
623F	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{4}$	$5\frac{1}{4}$	$\frac{5}{32}$	\$.42	\$.50
623E	$\frac{3}{8}$ & $\frac{1}{2}$	.....	$\frac{3}{16}$ & $\frac{5}{16}$	$\frac{5}{16}$	$5\frac{1}{4}$	$\frac{5}{32}$	.42	.50
623	$\frac{13}{32}$ & $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$	$5\frac{1}{4}$	$\frac{5}{32}$	.42	.50
624	$\frac{13}{32}$ & $\frac{19}{32}$	$\frac{3}{16}$ & $\frac{5}{16}$	.....	.....	$5\frac{1}{4}$	$\frac{5}{32}$	.42	.50
623D	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{1}{4}$ & $\frac{5}{16}$	$5\frac{1}{4}$	$\frac{5}{32}$	.42	.50
625 A	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	$5\frac{1}{4}$	$\frac{5}{32}$	.42	.50
625	$\frac{1}{2}$ & $\frac{19}{32}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{5}{16}$	$\frac{5}{16}$	$5\frac{1}{4}$	$\frac{5}{32}$	.42	.50
626	$\frac{1}{2}$ & $\frac{11}{16}$	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{5}{16}$	$\frac{5}{16}$	$6\frac{1}{8}$	$\frac{3}{16}$	.54	.64
626S	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	$6\frac{1}{8}$	$\frac{3}{16}$	.54	.64
626 X	$\frac{9}{16}$ & $\frac{11}{16}$	.....	$\frac{3}{8}$	$\frac{3}{8}$	$6\frac{1}{8}$	$\frac{3}{16}$	.54	.64
627	$\frac{19}{32}$ & $\frac{11}{16}$	$\frac{5}{16}$ & $\frac{3}{8}$	.....	.....	$6\frac{1}{8}$	$\frac{3}{16}$	.54	.64
628	$\frac{19}{32}$ & $\frac{25}{32}$	$\frac{5}{16}$ & $\frac{7}{16}$	.....	.....	$6\frac{1}{8}$	$\frac{3}{16}$	.54	.64
629D	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{7}{16}$ & $\frac{1}{2}$	$7\frac{3}{8}$	$\frac{7}{32}$	.60	.72
629	$\frac{11}{16}$ & $\frac{25}{32}$	$\frac{3}{8}$ & $\frac{7}{16}$	.....	.....	$7\frac{3}{8}$	$\frac{7}{32}$	.60	.72
630	$\frac{11}{16}$ & $\frac{7}{8}$	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{5}{8}$	$\frac{9}{16}$	$7\frac{3}{8}$	$\frac{7}{32}$	.60	.72
630 E	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$ & $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{9}{16}$	$7\frac{3}{8}$	$\frac{7}{32}$	.60	.72
631	$\frac{25}{32}$ & $\frac{7}{8}$	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{5}{8}$	$\frac{9}{16}$	$7\frac{3}{8}$	$\frac{7}{32}$	.60	.72
632	$\frac{25}{32}$ & $\frac{31}{32}$	$\frac{7}{16}$ & $\frac{9}{16}$	.....	.....	$8\frac{7}{8}$	$\frac{1}{4}$	.96	1.12
633	$\frac{7}{8}$ & $\frac{31}{32}$	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{5}{8}$	$\frac{9}{16}$	$8\frac{7}{8}$	$\frac{1}{4}$	.96	1.12
634	$\frac{7}{8}$ & $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{5}{8}$	$\frac{9}{16}$ & $\frac{3}{4}$	$8\frac{7}{8}$	$\frac{1}{4}$	.96	1.12
632 X	$\frac{15}{16}$ & 1	.....	$\frac{3}{4}$	$\frac{5}{8}$ & $\frac{11}{16}$	$8\frac{7}{8}$	$\frac{1}{4}$	.96	1.12
635	$\frac{31}{32}$ & $\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{4}$	$10\frac{5}{8}$	$\frac{9}{32}$	1.48	1.68
636	$\frac{31}{32}$ & $\frac{1}{4}$	$\frac{9}{16}$ & $\frac{3}{4}$	1	$\frac{7}{8}$	$10\frac{5}{8}$	$\frac{9}{32}$	1.48	1.68
635 E	1 & $\frac{1}{4}$	$\frac{3}{4}$	$\frac{3}{4}$ & 1	$\frac{11}{16}$ & $\frac{7}{8}$	$10\frac{5}{8}$	$\frac{9}{32}$	1.48	1.68
637	$\frac{11}{16}$ & $\frac{1}{4}$	$\frac{5}{8}$ & $\frac{3}{4}$	1	$\frac{3}{4}$ & $\frac{7}{8}$	$10\frac{5}{8}$	$\frac{9}{32}$	1.48	1.68
635G	$\frac{11}{8}$ & $\frac{1}{4}$	$\frac{3}{4}$	$\frac{7}{8}$ & 1	$\frac{7}{8}$	$10\frac{5}{8}$	$\frac{9}{32}$	1.48	1.68
638	$\frac{11}{16}$ & $\frac{7}{16}$	$\frac{5}{8}$ & $\frac{7}{8}$	.....	$\frac{3}{4}$ & 1	13	$\frac{3}{8}$	2.35	2.60
639	$\frac{11}{4}$ & $\frac{7}{16}$	$\frac{3}{4}$ & $\frac{7}{8}$	1	$\frac{7}{8}$ & 1	13	$\frac{3}{8}$	2.35	2.60
640	$\frac{11}{4}$ & $\frac{1}{8}$	$\frac{3}{4}$ & 1	1 & $\frac{1}{8}$	$\frac{7}{8}$ & $\frac{11}{8}$	13	$\frac{3}{8}$	2.35	2.60

For description of finishes see page 70. Extra thin and long "Van-Chrome" Tappet Wrenches forged from Chrome Vanadium Steel are shown on pages 16 and 17.



GENERAL SERVICE WRENCHES

Drop-Forged, 22½° Angle, Double Head

Wr. No.	Open- ings Milled	For U.S. Std. Nuts	For Hex. Hd. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	L'gth	Thick ness Heads	LIST PRICE	
							Unfin- ished	Fin- ished
675 C	¼ & ⅝	⅛	⅛	.....	6¾	¼	\$.45	\$.54
675 B	⅜ & ⅞	.....	⅜ & ¼	¼	6¾	¼	.45	.54
675 A	⅜ & 1½	.....	⅜ & ⅝	⅝	6¾	¼	.45	.54
675	13/32 & 1½	⅜ & ¼	⅝	⅝	6¾	¼	.45	.54
677S	⅞ & 1½	¼	¼ & ⅝	¼ & ⅝	7½	9/32	.58	.68
677 B	1½ & 9/16	¼	⅝ & ⅜	⅝ & ⅜	7½	9/32	.58	.68
677	1½ & ⅝	¼	⅝ & ⅞	⅝ & ⅞	7½	9/32	.58	.68
679 B	9/16 & 19/32	⅝	⅜	⅜	8¼	5/16	.73	.86
679S	9/16 & ⅝	.....	⅜ & ⅞	⅜ & ⅞	8¼	5/16	.73	.86
679 A	9/16 & 11/16	⅜	⅜	⅜	8¼	5/16	.73	.86
679D	19/32 & 11/16	⅝ & ⅜	.....	.....	8¼	5/16	.73	.86
679	⅝ & 11/16	⅜	⅞	⅞	8¼	5/16	.73	.86
679 C	⅝ & ¾	.....	⅞ & 1½	⅞ & 1½	8¼	5/16	.73	.86
681	11/16 & 27/32	⅜	.....	.....	9½	3/8	.93	1.10
681 B	¾ & 13/16	.....	1½ & 9/16	1½	9½	3/8	.93	1.10
681 A	¾ & ⅞	1½	1½ & ⅝	1½ & 9/16	9½	3/8	.93	1.10
681 D	25/32 & ⅞	⅞ & 1½	⅝	9/16	9½	3/8	.93	1.10
683	27/32 & 15/16	.....	.....	⅝	107/8	7/16	1.16	1.40
683D	⅞ & 15/16	1½	⅝	9/16 & ⅝	107/8	7/16	1.16	1.40
683 B	⅞ & 1	1½	⅝ & ¾	9/16 & 11/16	107/8	7/16	1.16	1.40
583 C	⅞ & 11/16	1½ & ⅝	⅝	9/16 & ¾	107/8	7/16	1.16	1.40
683 A	15/16 & 1	.....	¾	⅝ & 11/16	107/8	7/16	1.16	1.40
685	1 & 11/8	.....	¾ & ⅞	11/16	121/8	1½	1.65	2.00
685 C	11/16 & 1¼	⅝ & ¾	1	¾ & ⅞	121/8	1½	1.65	2.00
685 B	11/8 & 1¼	¾	⅞ & 1	⅞	121/8	1½	1.65	2.00

Special openings milled to order.

HERBRAND CARBON OPEN END WRENCHES



TEXTILE MACHINE WRENCHES

Drop Forged, 22½° Angle, Double Head

Wr. No.	Open- ings Milled	For U.S. Std. Nuts	For Hex. Hd. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	L'gth	Thick ness Heads	LIST PRICE	
							Unfin- ished	Fin- ished
760 A	5/16 & 1/2	1/8 & 1/4	1/8 & 5/16	5/16	4 3/4	1/4	\$.42	\$.50
760 B	13/32 & 1/2	3/16 & 1/4	5/16	5/16	4 3/4	1/4	.42	.50
760 C	13/32 & 19/32	3/16 & 5/16	.....	.....	4 3/4	1/4	.42	.50
760 Y	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	4 3/4	1/4	.42	.50
761 X	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5 3/4	5/16	.52	.62
761 A	1/2 & 19/32	1/4 & 5/16	5/16	5/16	5 3/4	5/16	.52	.62
761	1/2 & 5/8	1/4	5/16 & 7/16	5/16 & 7/16	5 3/4	5/16	.52	.62
761 B	1/2 & 11/16	1/4 & 3/8	5/16	5/16	5 3/4	5/16	.52	.62
761 Z	9/16 & 5/8	.....	3/8 & 7/16	3/8 & 7/16	5 3/4	5/16	.52	.62
761 C	19/32 & 11/16	5/16 & 3/8	.....	.....	5 3/4	5/16	.52	.62
762 A	19/32 & 25/32	5/16 & 7/16	.....	.....	7	3/8	.68	.80
762 Y	5/8 & 3/4	.....	7/16 & 1/2	7/16 & 1/2	7	3/8	.68	.80
762 B	11/16 & 25/32	3/8 & 7/16	.....	.....	7	3/8	.68	.80
762 C	11/16 & 7/8	3/8 & 1/2	5/8	9/16	7	3/8	.68	.80
763 Y	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	8 1/4	7/16	.90	1.06
763 A	25/32 & 7/8	7/16 & 1/2	5/8	9/16	8 1/4	7/16	.90	1.06
763 B	25/32 & 31/32	7/16 & 9/16	.....	.....	8 1/4	7/16	.90	1.06
763 C	7/8 & 31/32	1/2 & 9/16	5/8	9/16	8 1/4	7/16	.90	1.06
764	7/8 & 1	1/2	5/8 & 3/4	9/16 & 11/16	9 1/2	1/2	1.20	1.44
764 A	7/8 & 11/16	1/2 & 5/8	5/8	9/16 & 3/4	9 1/2	1/2	1.20	1.44
764 Z	15/16 & 1	.....	3/4	5/8 & 11/16	9 1/2	1/2	1.20	1.44
764 D	15/16 & 11/16	5/8	.....	5/8 & 3/4	9 1/2	1/2	1.20	1.44
764 B	31/32 & 11/16	9/16 & 5/8	.....	3/4	9 1/2	1/2	1.20	1.44
765 A	1 1/16 & 1 1/4	5/8 & 3/4	1	3/4 & 7/8	11	9/16	1.60	1.92
765 B	1 1/16 & 1 7/16	5/8 & 7/8	.....	3/4 & 1	11	9/16	1.60	1.92
765 C	1 1/4 & 1 7/16	3/4 & 7/8	1	7/8 & 1	11	9/16	1.60	1.92

Special openings milled to order. For description of finishes, see page 70.

HERBRAND CARBON OPEN END WRENCHES



CONSTRUCTION WRENCHES

Drop-Forged, 15° Angle

Wrench No.	Opening Milled	For U.S. Std. Nut	Length	Thick-ness Head	LIST PRICE	
					Black, Unhard-ened	Black, Hard-ened
221	$\frac{1}{2}$	$\frac{1}{4}$	8	$\frac{3}{8}$	\$.56	\$.70
222	$\frac{19}{32}$	$\frac{5}{16}$	8	$\frac{3}{8}$	.56	.70
223	$\frac{11}{16}$	$\frac{3}{8}$	$9\frac{1}{2}$	$\frac{7}{16}$	.70	.90
224	$\frac{25}{32}$	$\frac{7}{16}$	$9\frac{1}{2}$	$\frac{7}{16}$	.70	.90
225	$\frac{7}{8}$	$\frac{1}{2}$	11	$\frac{1}{2}$	.90	1.16
226	$\frac{31}{32}$	$\frac{9}{16}$	11	$\frac{1}{2}$	.90	1.16
227	$\frac{11}{16}$	$\frac{5}{8}$	13	$\frac{9}{16}$	1.24	1.60
228	$\frac{11}{4}$	$\frac{3}{4}$	15	$\frac{5}{8}$	1.72	2.20
229	$\frac{17}{16}$	$\frac{7}{8}$	17	$\frac{11}{16}$	2.36	3.00
230	$\frac{15}{8}$	1	19	$\frac{3}{4}$	3.20	4.20
231	$\frac{113}{16}$	$\frac{11}{8}$	21	$\frac{7}{8}$	4.40	6.00
232	2	$1\frac{1}{4}$	21	$\frac{7}{8}$	4.40	6.00



STRUCTURAL WRENCHES

Drop-Forged, Straight Opening

Wrench No.	Opening Milled	For U.S. Std. Nut	Length	Thick-ness Head	Offset	LIST PRICE	
						Black, Unhard-ened	Black, Hard-ened
901	$\frac{17}{32}$	$\frac{1}{4}$	10	$\frac{3}{8}$	$\frac{13}{16}$	\$.66	\$.80
902	$\frac{5}{8}$	$\frac{5}{16}$	10	$\frac{3}{8}$	$\frac{13}{16}$	.66	.80
903	$\frac{23}{32}$	$\frac{3}{8}$	$11\frac{7}{8}$	$\frac{7}{16}$	$\frac{7}{8}$	.80	1.04
904	$\frac{13}{16}$	$\frac{7}{16}$	$11\frac{7}{8}$	$\frac{7}{16}$	$\frac{7}{8}$	.80	1.04
905	$\frac{29}{32}$	$\frac{1}{2}$	$13\frac{3}{4}$	$\frac{1}{2}$	1	1.04	1.40
906	1	$\frac{9}{16}$	$13\frac{3}{4}$	$\frac{1}{2}$	1	1.04	1.40
907	$\frac{17}{64}$	$\frac{5}{8}$	$15\frac{5}{8}$	$\frac{9}{16}$	$\frac{11}{8}$	1.48	1.96
908	$\frac{119}{64}$	$\frac{3}{4}$	$17\frac{1}{2}$	$\frac{5}{8}$	$\frac{11}{4}$	2.04	2.68
909	$\frac{11}{2}$	$\frac{7}{8}$	$19\frac{3}{8}$	$\frac{11}{16}$	$\frac{15}{16}$	2.80	3.60
910	$\frac{11}{16}$	1	$21\frac{1}{4}$	$\frac{25}{32}$	$\frac{13}{8}$	3.80	5.00
910A	$\frac{17}{8}$	$\frac{11}{8}$	$21\frac{1}{4}$	$\frac{25}{32}$	$\frac{13}{8}$	3.80	5.00
911	$\frac{17}{8}$	$\frac{11}{8}$	23	$\frac{7}{8}$	$\frac{11}{2}$	6.00	7.50
912	$\frac{21}{16}$	$1\frac{1}{4}$	23	$\frac{7}{8}$	$\frac{11}{2}$	6.00	7.50

HERBRAND CARBON OPEN END WRENCHES



CAR WRENCHES

Drop-Forged, 22½° Angle, Double Head

Long Leverage

Improved design with narrow, pointed jaws for greater accessibility and more efficient handling.

These wrenches are especially designed for car and truck work, but they are adaptable to general service. They are built extra heavy for severe work. The black, hardened wrenches are heat treated their entire length and finished in rust-resisting baked black enamel. Special openings milled to order.

Wrench No.	Openings Milled	For U.S. Std. Nut	Length	Thick-ness Head	LIST PRICE	
					Black, Unhard-ened	Black, Hard-ened
367	23/32 & 29/32	3/8 & 1/2	12	1/2	\$ 1.10	\$1.50
370	15/16 & 1 1/8	1/2 & 5/8	19	9/16	1.90	2.50
371	15/16 & 1 5/16	1/2 & 3/4	19	9/16	2.30	3.10
373	1 1/8 & 1 5/16	5/8 & 3/4	20	19/32	2.30	3.10
374	1 1/8 & 1 1/2	5/8 & 7/8	21	19/32	2.70	3.70
376	1 5/16 & 1 1/2	3/4 & 7/8	21	19/32	2.70	3.70
377	1 5/16 & 1 11/16	3/4 & 1	22	5/8	3.30	4.50
379	1 1/2 & 1 11/16	7/8 & 1	22	5/8	3.30	4.50
380	1 1/2 & 1 7/8	7/8 & 1 1/8	23	5/8	3.90	5.30
382	1 11/16 & 1 7/8	1 & 1 1/8	23	5/8	3.90	5.30
383	1 11/16 & 2 1/16	1 & 1 1/4	24	5/8	4.50	6.30
385	1 7/8 & 2 1/16	1 1/8 & 1 1/4	24	5/8	4.50	6.30
387	1 7/8 & 2 7/16	1 1/8 & 1 1/2	25	11/16	6.80	9.00
389	2 1/16 & 2 7/16	1 1/4 & 1 1/2	25	11/16	6.80	9.00

Wrenches with openings milled for American Standard bolts and nuts are available in both our "Van-Chrome" and Carbon Steel lines.

Dies are on hand for producing many special wrenches and tools not shown in this booklet. Your inquiries for special tools of any kind are solicited.

PRINTED IN U. S. A.
RAD-MAR PRESS, INC.
TOLEDO, OHIO

